



SENIOR ADULT EDUCATION CENTER
CITY OF BRENTWOOD, CALIFORNIA
BRENTWOOD, CALIFORNIA 94513
RESUBMITTAL ISSUED FOR APPROVAL

B

100	COVER SHEET
200	ENGINEERING DATA SHEET
300	ROOF PANEL PLAN
301	SOFFIT PANEL PLAN
600	SECTIONS AND DETAILS <i>Not Included</i>
601	SECTIONS AND DETAILS
700	DESIGN-SPAN HP CURB DETAILS
701	DESIGN-SPAN HP TRIM ASSEMBLY DETAILS
702	DEAD VALLEY DETAILS

Brentwood Senior Center
C.I.P. #522-52280

Job No.641.02

Brentwood Senior Adult Center

STATEMENT BY ARCHITECT UTILIZING PLANS (INCLUDING SHOP DRAWINGS AND/OR STRUCTURAL CALCULATIONS, AND/OR SPECIFICATIONS) PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND OR CONSULTANTS.

CIP #522-52280 GROUP A - AEP SPAN Roofing Drawings

These drawings and/or specifications and calculations for the items listed below have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. These documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me.

The items listed below have been coordinated with my plans and specifications and appear to be acceptable for incorporation into the construction of this project for which I am the individual designated to be in general responsible charge (or for which I have been delegated responsibility for this portion of the work.)

ITEMS REVIEWED:

DRAWINGS BY AEP SPAN
SIGNED BY JAMES L. MITCHELL, S-3081, DATED 3/14/08

Sht.100 COVER SHEET
Sht.200 ENGINEERING DATA SHEET
Sht.300 ROOF PANEL PLAN
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Sht.601 SECTIONS AND DETAILS
Sht.700 DESIGN-SPAN HP CURB DETAILS
Sht.701 DESIGN-SPAN HP TRIM ASSEMBLY DETAILS
Sht.702 DEAD VALLEY DETAILS

By: *[Signature]* Date: 3-20-08
Mark Quattrocchi, AIA, Architect, Quattrocchi Kwok Architects
License No. C15438 Exp. 7/09

- ☐ No Exceptions Taken
- ☐ Submit Specified Item
- ☒ Correct As Noted
- ☐ Revise and Resubmit
- ☐ Rejected
- ☐ Receipt Acknowledged

Corrections or comments made on submittals during this review do not relieve the contractor from compliance with the requirements of the drawings and specifications. This check is for review of general conformance with the design concept of the project and general compliance with information given in the Contract Documents. The contractor is responsible for confirming and correlating all quantities and dimensions, selection of fabrication processes and techniques of construction, coordinating the work of the trades, and performing the work in a safe and satisfactory manner.

By: *[Signature]*
Date: 3/24/08
QUATTROCCHI KWOK ARCHITECTS

NO DEVIATIONS FROM THE CONTRACT DOCUMENTS ARE INCLUDED IN THIS REVIEW UNLESS SPECIFICALLY NOTED IN WRITING BY THE CONTRACTOR AND APPROVED BY THE ARCHITECT IN WRITING.

PRES VP CNTRL
MBD EST PM
MAR 17 2008
JOB #39
KIMMEL CONSTRUCTION, INC.

NOTICE

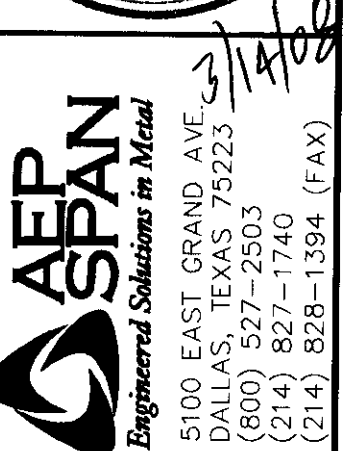
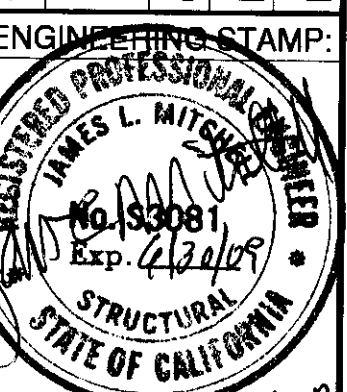
KIMMEL CONSTRUCTION, INC.
Above mentioned company is responsible for verification of all dimensions on these drawings. If requested verifications are not provided, the approval signature will authorize AEP-Span to proceed with fabrication based on the dimensions shown on these drawings. Customer's signature and approval is a prerequisite for material fabrication to commence.

CUSTOMER APPROVAL: _____ DATE: _____

TABLE OF CONTENTS

THIS DRAWING IS THE PROPERTY OF AEP-SPAN. THE USE OF THIS DRAWING WITHOUT THE EXPRESS PERMISSION OF AEP-SPAN IS PROHIBITED.

TITLE: COVER SHEET
PROJECT: SENIOR ADULT EDUCATION CENTER
OWNER: CITY
BUYER: KIMMEL CONSTRUCTION, INC.
LOCATION: BRENTWOOD, CALIFORNIA 94513

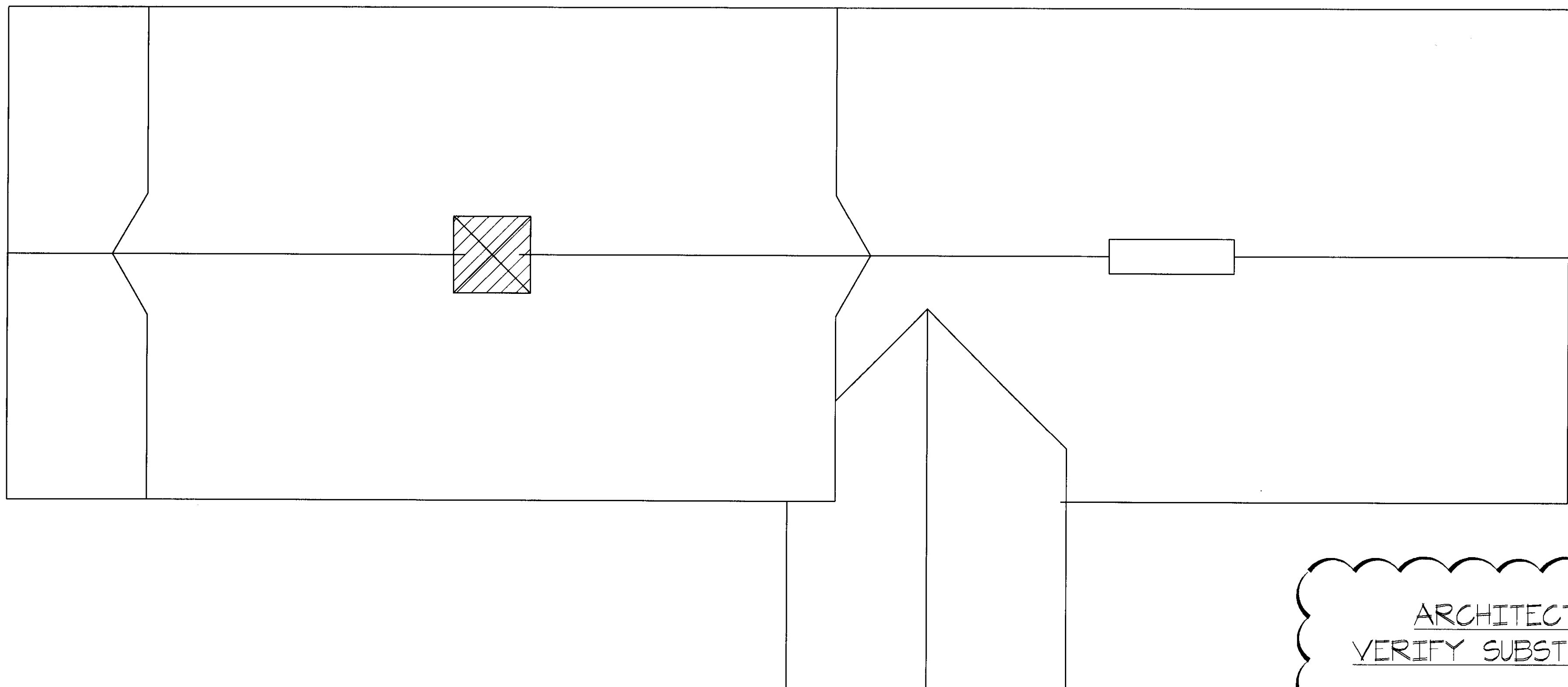


REV	DESCRIPTION	BY	DATE
A	ISSUED FOR APPROVAL	ADH	10/03/07
B	RESUBMITTAL ISSUED FOR APPROVAL	ADH	03/10/08

JOB#: DAL302548A
DRAWN BY: ADH
ENG. BY: RTA
DATE: 10/08/07
SCALE: AS SHOWN
SHEET:

100

OF: 88



ROOF(S) CLIP SPACING:
SEE BELOW

NOTE: CLIP SPACING TO BE:

ZONE 1	48" o.c. (UNSHADED)	MAX. CLIP LOAD	199 lbs
ZONE 2	42" o.c. (SHADED)	MAX. CLIP LOAD	194 lbs

THE STRUCTURAL INTEGRITY OF THE SUPPORTING STRUCTURE AND/OR SUBSTRATE'S CAPACITY TO RECEIVE IMPARTED LOADS BY THE METAL ROOFING SYSTEM IS NOT ANALYZED BY AEP-SPAN AND IS THE RESPONSIBILITY OF THE OWNER, OWNER'S REPRESENTATIVE, OR DESIGN PROFESSIONAL, WHICHEVER IS APPLICABLE.

DESIGN DATA

BUILDING CODE	UBC 1997	
ROOF LIVE LOAD	20 PSF	
COLLATERAL LOAD	0 PSF	
WIND SPEED	10 MPH	
GROUND SNOW LOAD	15 PSF	
BUILDING USE GROUP	STD. OCCUPANCY	

FASTENER USAGE CHART

ID NO.	AEP NO.	PANEL USE OR LOCATION	DESCRIPTION
FRAMING TO FRAMING FASTENER			
ES6D1	SD1/4X1/8 BARE	RETROFIT FRAMING	1/4"x1/4" x 7/8" DP3 HHX STRESSLESS (BLACK)
CLIP OR CONCEALED MEMBER FASTENERS			
ES6D2	SD1/2X1/8 PH	SN, FP, CF	#10-16 x 1" TEK 3 PHILLIPS PANCAKE HD - ZINC
ES6D3	SD1/2X1/8 PH SS	SN, FP, CF	#12-14 x 7/8" TEK-3 SELF-DRILL METAL SCREW (304 SS.)
ES6D4	SD1/2X1/8 BAREN	SL	#12-14 x 1-1/4" HHX TRAXX 2 - CLIMASEAL
ES6D5	SD1/2X1/8 BAREN	SL	#12-14 x 1-1/2" HHX TRAXX 2 - CLIMASEAL
ES6D6	55501	SR (0'-4" INSUL.)	1/4"x1/4" x 1-1/4" DP3 MAXI HHX, CARBON
ES6D7	55509	SR (4'-6" INSUL.)	1/4"x1/4" x 2" DP3 MAXI HHX, CARBON
ES6D14	WS1/2X1/8	CLIPS & TRIMS ATTACHING TO WOOD	#10-13 x 1" GIMLET POINT WOOD SCREW
ES6D15	WS1/2X1/8 STST	CLIPS & TRIMS ATTACHING TO WOOD	#10-13 x 1" GIMLET POINT WOOD SCREW (304 SS.)
ES6D16	SD1/4X1/8 BARE	CLIPS ATTACHING TO DECKING	1/4"x1/4" x 1-1/2" TEK-3 SELF-DRILL, CARBON
ES6D29	APMISCFAS	CLIPS ATTACHING TO DECKING	#14-15 x 1" (DP3) CONCEALOR
ES6D30	APMISCFAS	CLIPS ATTACHING TO DECKING	#14-15 x 2" (DPI) CONCEALOR
ES6D31	APMISCFAS	CLIPS ATTACHING TO DECKING	#14-15 x 3" (DPI) CONCEALOR
ES6D32	APMISCFAS	CLIPS ATTACHING TO DECKING	#14-15 x 4" (DPI) CONCEALOR
ES6D33	APMISCFAS	CLIPS ATTACHING TO DECKING	#14-15 x 5" (DPI) CONCEALOR
ES6D34	APMISCFAS	CLIPS ATTACHING TO DECKING	#14-15 x 6" (DPI) CONCEALOR
ES6D35	APMISCFAS	CLIPS ATTACHING TO DECKING	#14-15 x 6" (DPI) CONCEALOR
ES6D36	APMISCFAS	CLIPS ATTACHING TO DECKING	#14-15 x 7" (DPI) CONCEALOR
EXPOSED MEMBER FASTENERS (PLAIN OR PAINTED)			
ES6D8	57400	SL, SN, SR, PBE	#12-14 x 1-1/4" DP2 SCOTS STAINLESS HHX TRAXX 2 W/ WASHER
ES6D9	576XX	PBE, R, A	#12-14 x 1-1/4" DP3 HHX CARBON W/ WASHER
ES6D10	55508	GOOF SCREW FOR REPAIRS	#11-14 x 1" TYPE AB SCOTS STAINLESS HHX W/ WASHER
ES6D26	SD1/2X1/8	PANEL TO TRIM (TO 18ga. OR 16ga.)	#12-14 x 1-1/4" TEK-2 SCOTS SELF-DRILL W/WASHER & SS. CAP (PTD)
ES6D27	WS9X1/8	PANEL TO TRIM (TO WOOD)	#9-15 x 1-1/2" GIMLET POINT SCOTS WOOD SCREW W/WASHER & SS. CAP (PTD)
STITCH FASTENERS (PLAIN OR PAINTED)			
ES6D11	LS14X1/8	SL, SN, FP, SR, PBE	1/4"x1/4" x 7/8" DPI SCOTS STAINLESS HHX TRAXX 1 W/ WASHER
ES6D12	565XX	PBE, R, A	1/4"x1/4" x 7/8" DPI HHX CARBON MAXI-SEAL W/ WASHER
ES6D13	57650	SSR, PBE	1/4"x1/4" x 1-1/8" DPI HHX SCOTS STAINLESS W/ WASHER
RIVETS			
ESPR1	RIV1/8	SN, SL, FP	1/8" x 1/4" DOMED HEAD STAINLESS, PAINTED
ESPR2	55260	SR, PBE	1/8" x 1/4" DOMED HEAD ALUMINUM, WHITE
ESPR3	55265	SR, PBE	1/8" x 1/4" DOMED HEAD ALUMINUM, BRONZE
ESPR4	55400	SR, R, CF	FABLOK 5/16" HEAVY STRUCTURAL RIVET
ESPR5	55160	SR, PBE	VP-200 BULB
ESPR6	55200	SR, PBE	OLYMPIC

LEGEND: SN = SNAP SEAM/SPAN SEAL SL = SPAN LOK/SPANSEAM/SLR FP = FLUSH PANEL SR = SPAN RIB OR VP 55R CF = PANEL RIB ROOF R = PANEL RIB WALL A = VEE RIB WALL CF = CR-100 OR VP-100 XX = AEP COLOR CODE REQ'D XX = VP COLOR CODE REQ'D

SYSTEMS

SYSTEM: ROOF

SHEETING DIRECTION LEFT TO RIGHT

1'-5"

DESIGN SPAN CLIP W/ (2)-(ES6D29) FASTENERS PER PANEL CLIP

LINE OF 8 1/2" PURLIN (NOT BY AEP)

SYSTEM: DSHPIT-STRATIATED MATERIAL: GALVALUME GA. 24 COLOR: CUSTOM FINISH: KYNAR

SYSTEM: SOFFIT

8 1/2" DEEP PURLINS (NOT BY AEP)

(RF029-22ga.)

1 1/2" DEEP HATS @ 30" o.c. MAX.

(ES6D11) PANEL STITCH FASTENER @ 12" o.c. MAX.

(2)-(ES6D1) HAT FASTENERS

1'-0" NOMINAL COVERAGE

(ES6D2) PANEL FASTENER @ 30" o.c. MAX. (TYPICAL)

SYSTEM: PSI2-SMALL WAVE MATERIAL: GALVALUME GA. 24 COLOR: CUSTOM FINISH: KYNAR PATTERN

SYSTEM: ROOF @ CUPOLA

SHEETING DIRECTION LEFT TO RIGHT

1'-5"

DESIGN SPAN CLIP W/ (2)-(ES6D32) FASTENERS PER PANEL CLIP

1 1/2" INSULATION BOARD OVER 1 1/2" METAL DECKING-22ga. MIN. (NOT BY AEP)

SYSTEM: DSHPIT-STRATIATED MATERIAL: GALVALUME GA. 24 COLOR: CUSTOM FINISH: KYNAR

SYSTEM:

SHEETING DIRECTION LEFT TO RIGHT

APPROVED
APR - 3 2008
CITY OF BRENTWOOD

GENERAL NOTES

- THIS ORDER CANNOT BE PUT INTO PRODUCTION UNTIL ALL DIMENSIONS, ANGLES, QUANTITIES, AND COLORS ARE VERIFIED AND DRAWINGS ARE APPROVED.
- PROPOSED LENGTHS ARE BASED UPON AEP-SPAN INTERPRETATION OF CONTRACT DOCUMENTS. ACTUAL LENGTHS TO BE PROVIDED BY CUSTOMER BASED UPON FIELD CONDITIONS. PROPOSED LENGTHS SHALL BE CONSIDERED ACCURATE UNLESS CUSTOMER PROVIDES ACTUAL LENGTHS.
- ALL FLASHINGS AND FLAT SHEETS ARE THE SAME GAGE, MATERIAL, AND COLOR AS THE PANELS UNLESS OTHERWISE NOTED.
- ALL FLASHING AND FLAT SHEETS SHALL BE PROVIDED IN 10'-0" LENGTHS, SQUARE CUT. ANY MITERS OR NOTCHES ARE TO BE FIELD CUT. (ON REQUEST FLASHINGS CAN BE PROVIDED IN 8'-0" AND 12'-0" LENGTHS)
- ALL PANELS SHALL BE PROVIDED SQUARE CUT IN LENGTHS AS SHOWN ON ATTACHED PARTS LIST ANY NOTCHES, MITERS, BENDS, OR PENETRATIONS SHALL BE FIELD FABRICATED.
- OIL CANNING IS A CHARACTERISTIC, NOT A DEFECT, OF PANELS MANUFACTURED FROM LIGHT GAGE METAL AND IS NOT A CAUSE FOR REJECTION.
- SUBSTRATE MATERIAL, ROOFING FELT, SEALANTS, MASONRY ANCHORS, AND ANY ITEMS NOT SPECIFICALLY LISTED ON THE 'PARTS LIST' ARE NOT INCLUDED.
- APPROVED 'CURING' URETHANE SEALANTS ARE: SIKKA 511, TREMCO JS-T73, PTI-T07, PECORA BR-96.
- APPROVED 'CURING' URETHANE SEALANTS ARE: SONNEBORN NP-1, SIKKA-201, TREMCO DYMONIC, PECORA DYNATROL I-XL.

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ENGINEERING DATA SHEET

TITLE: SENIOR ADULT EDUCATION CENTER

PROJECT: CITY OF BRENTWOOD, CALIFORNIA

OWNER: KIMMEL CONSTRUCTION, INC.

BUYER: BRENTWOOD, CALIFORNIA 94513

DATE: 10/03/07

BY: ADH

ADH

ENGINEERING STAMP

REGISTERED PROFESSIONAL ENGINEER

NO. 53081

Exp. 12/31/09

STRUCTURAL

CITY OF CALIFORNIA

AEP SPAN

Engineered Solutions in Metal

5100 EAST GRAND AVE

DALLAS, TEXAS 75223

(800) 877-2500

(214) 828-1394 (FAX)

DATE: 10/03/07

BY: ADH

ADH

ISSUED FOR APPROVAL

RESUBMITTAL ISSUED FOR APPROVAL

REV: A

DESCRIPTION

JOB#: DAL302548A

DRAWN BY: ADH

ENG. BY: RTA

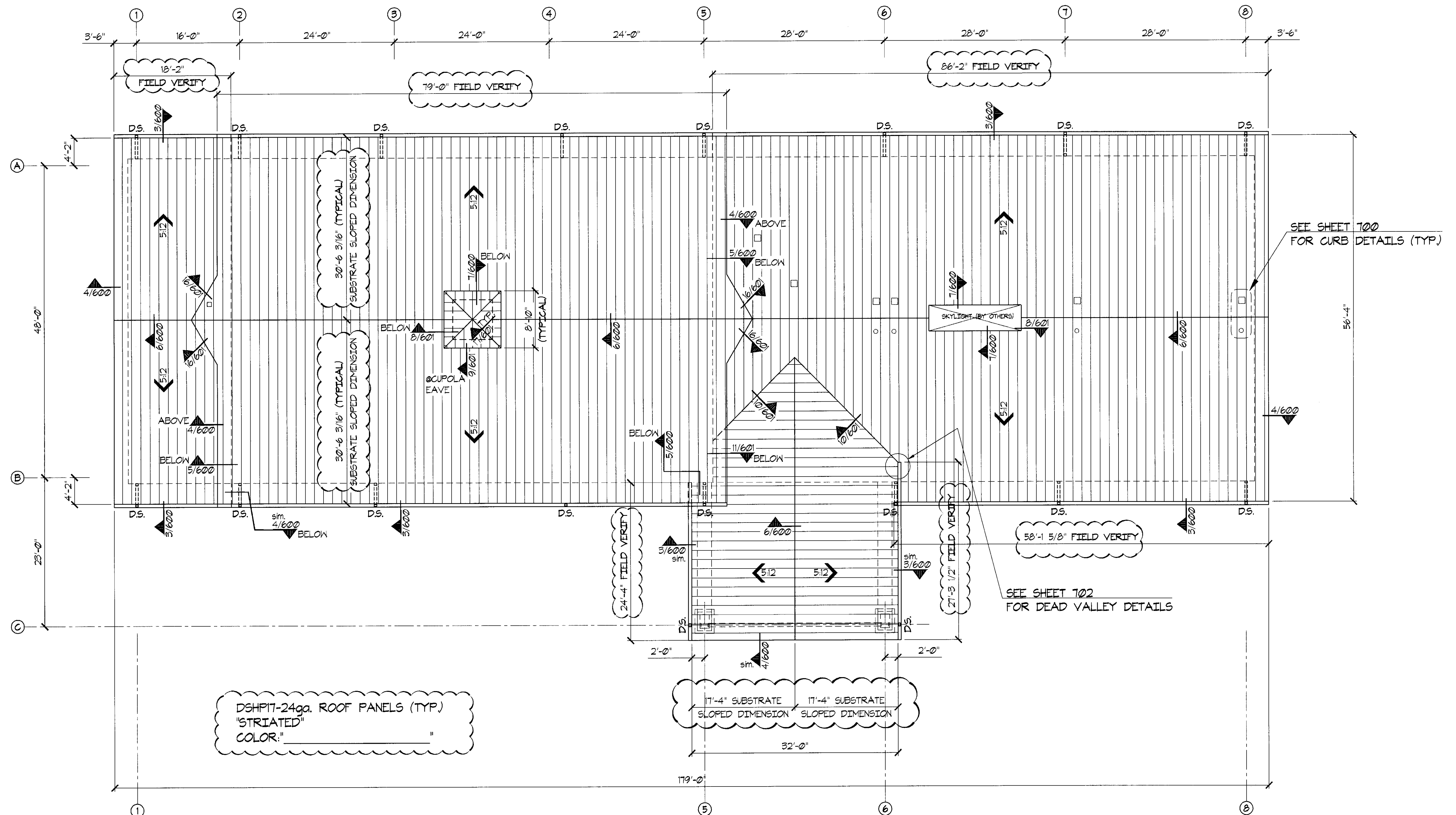
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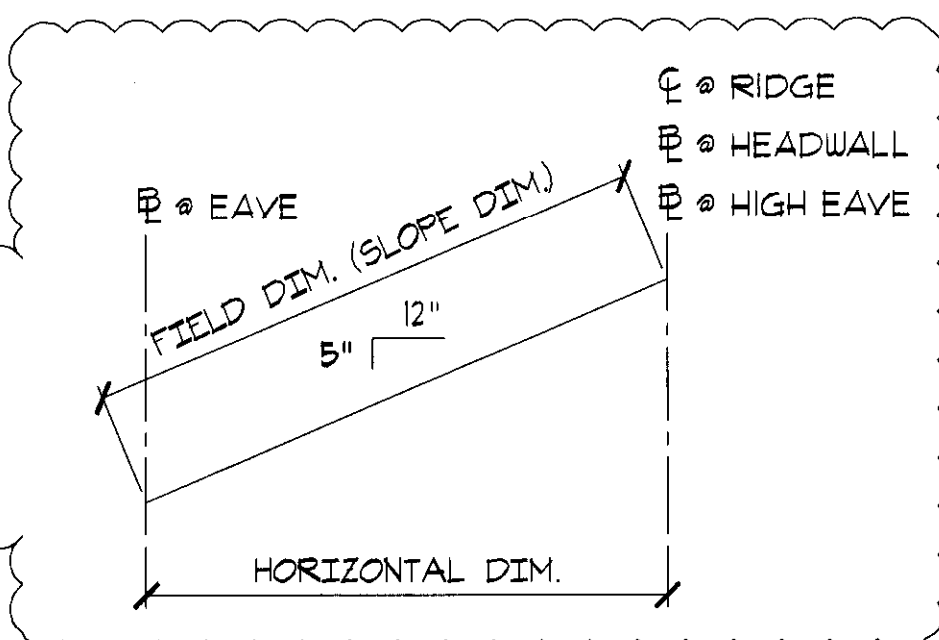
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OF: 85



"THE FOLLOWING ROOF PLANS WERE DERIVED FROM SCALED BID DOCUMENT & THEREFORE ARE SUBJECT TO VERIFICATION BY KIMMEL CONSTRUCTION, INC. PANELS WILL NOT BE PRODUCED UNTIL KIMMEL CONSTRUCTION, INC. HAS VERIFIED ALL CLOUDED DIMENSIONS ON ALL ROOF PLANS."

NOTE
The clouded dimensions on this plan are on slope, they are not panel lengths. Please refer to detail at right which indicates start & stop locations for field dimensions. The Bill of Material will be produced off of these dimensions unless correct per on-site conditions.

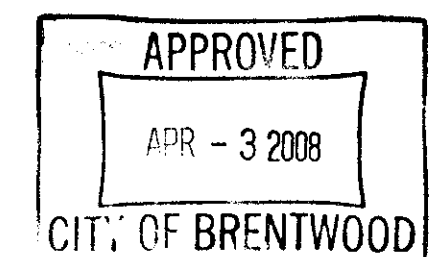
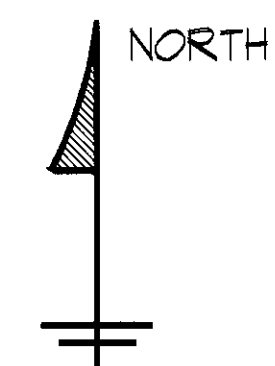


ROOF PANEL PLAN

SCALE: 1/8"=1'-0"

ESTIMATED ROOF SQUARE FOOTAGE= 12,100

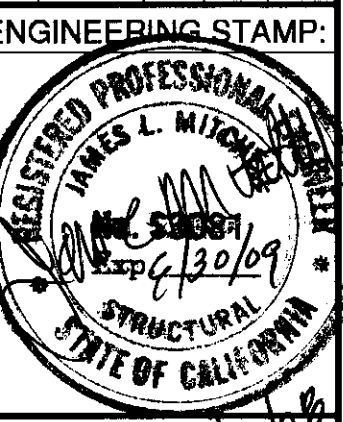
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300



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TITLE: ROOF PANEL PLAN
PROJECT: SENIOR ADULT EDUCATION CENTER
OWNER: CITY OF BRENTWOOD, CALIFORNIA
BUYER: KIMMEL CONSTRUCTION, INC.
LOCATION: BRENTWOOD, CALIFORNIA 94513

ENGINEERING STAMP:



AEP SPAN
Engineered Solutions in Metal
5100 EAST GRAND AVE
DALLAS, TEXAS 75223
(214) 827-1740
(214) 828-1394 (FAX)

DATE: 10/09/07
BY: ADH
ADH

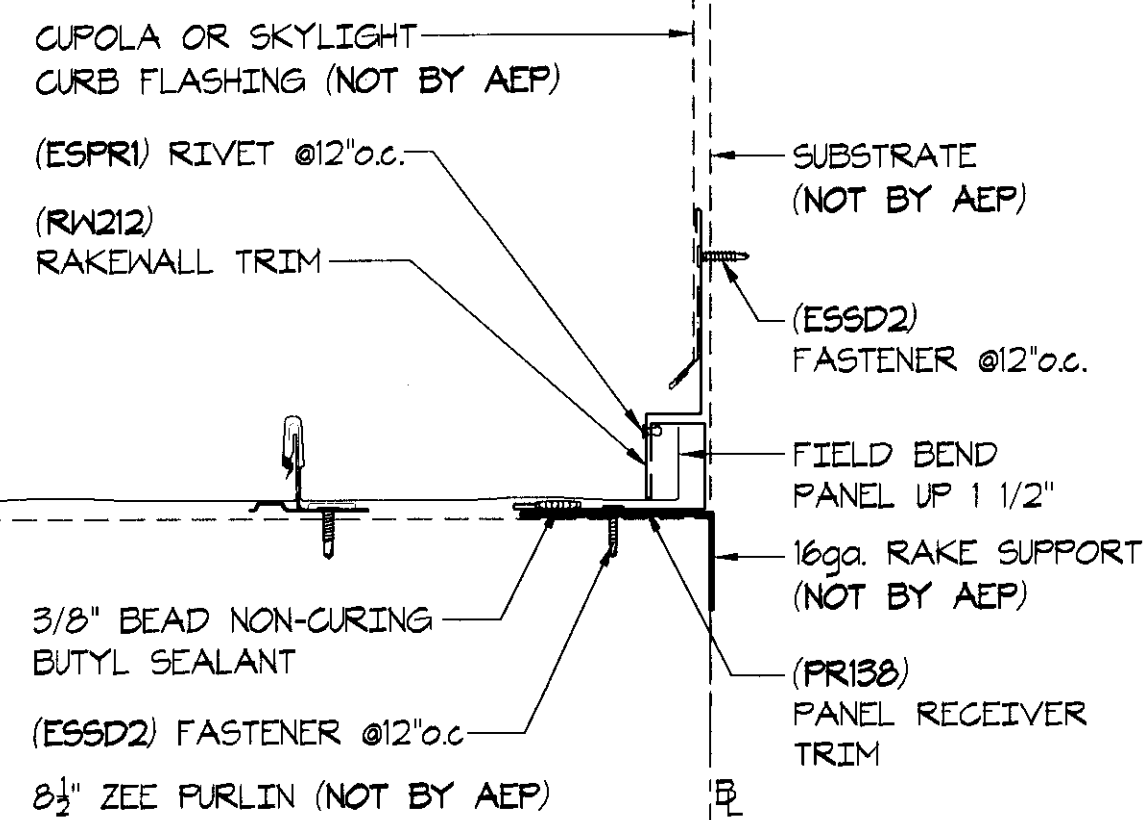
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B			

JOB#: DAL302548A
DRAWN BY: ADH
ENG. BY: RTA
DATE: 10/08/07
SCALE: AS SHOWN
SHEET:

300

OF: 8"

NOTE:
FIELD CUT FIRST AND LAST PANELS
TO EQUAL WIDTHS.

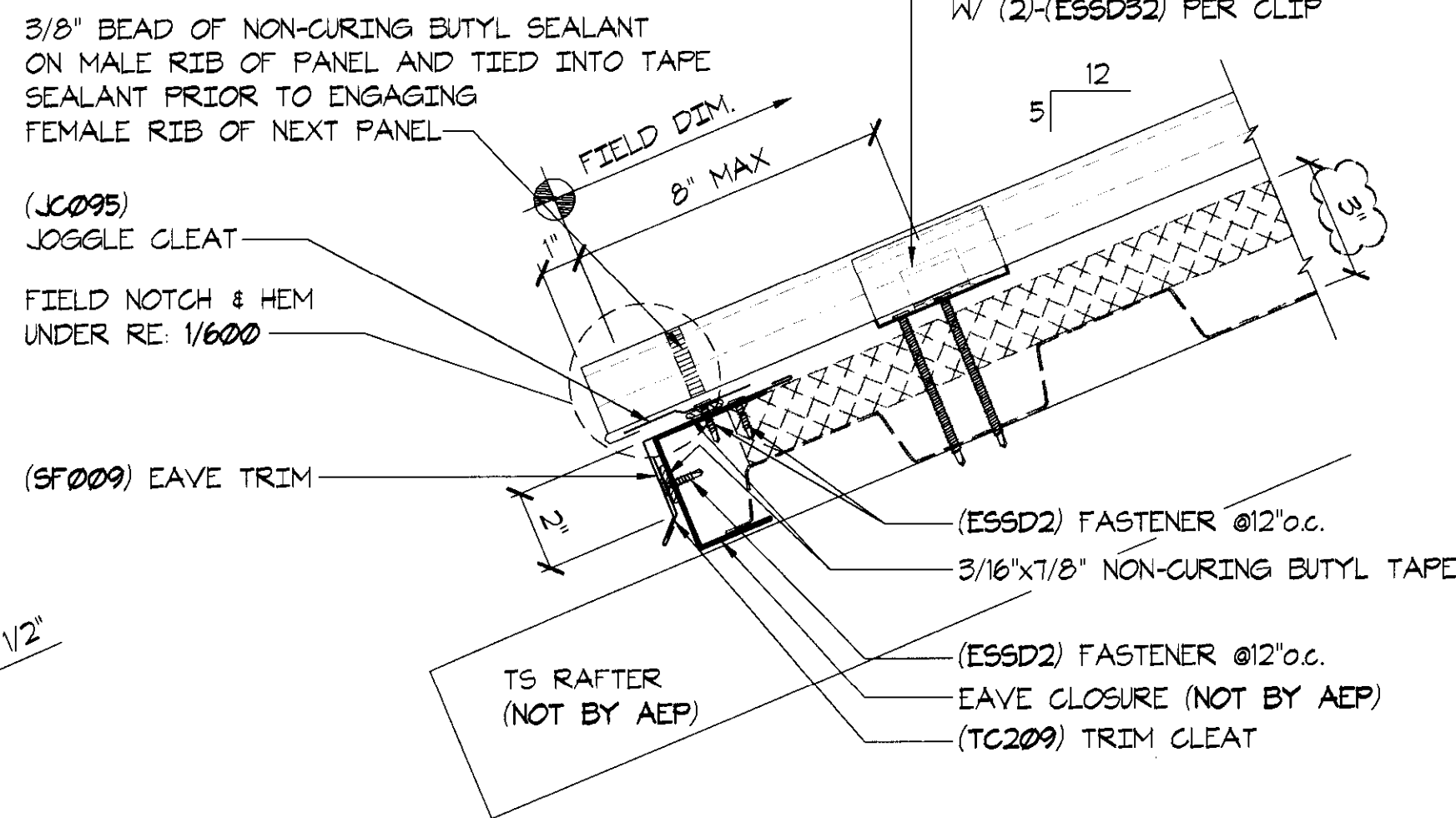


RAKEWALL DETAIL

SCALE: 3'-1'-0" REFER:

8

601

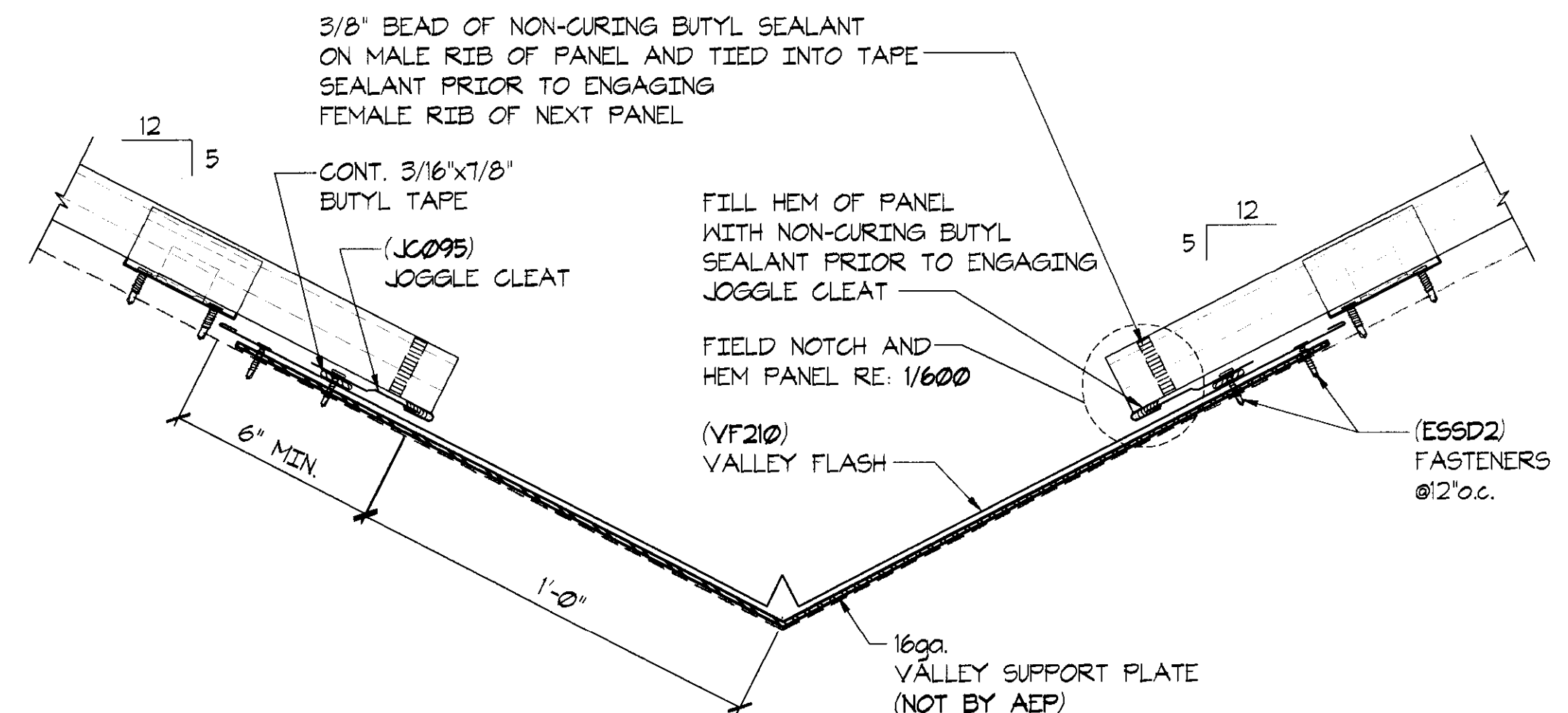


EAVE DETAIL @ CUPOLA

SCALE: 3'-1'-0" REFER: 2/A41

9

601

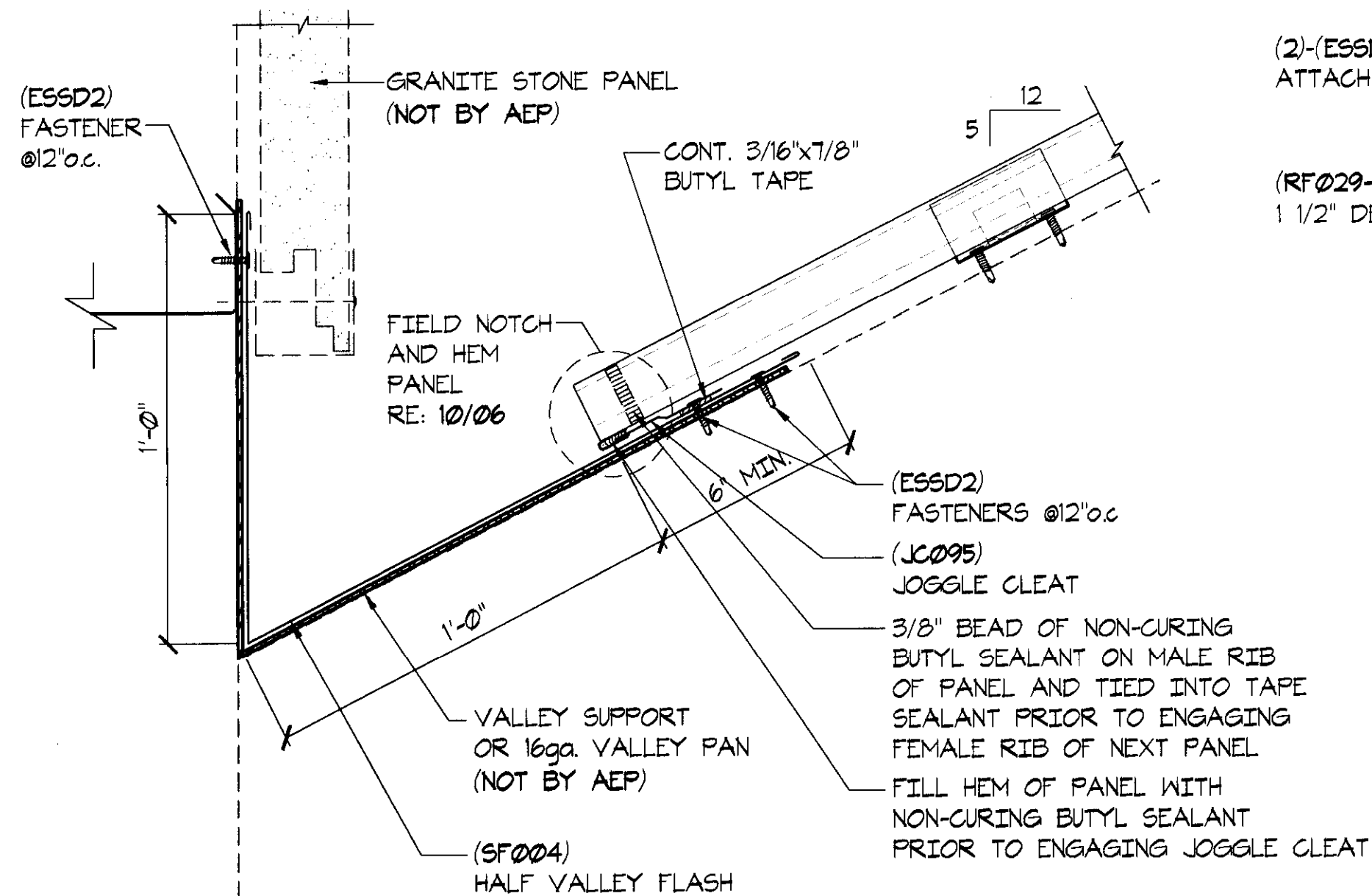


VALLEY DETAIL

SCALE: 3'-1'-0" REFER:

10

601

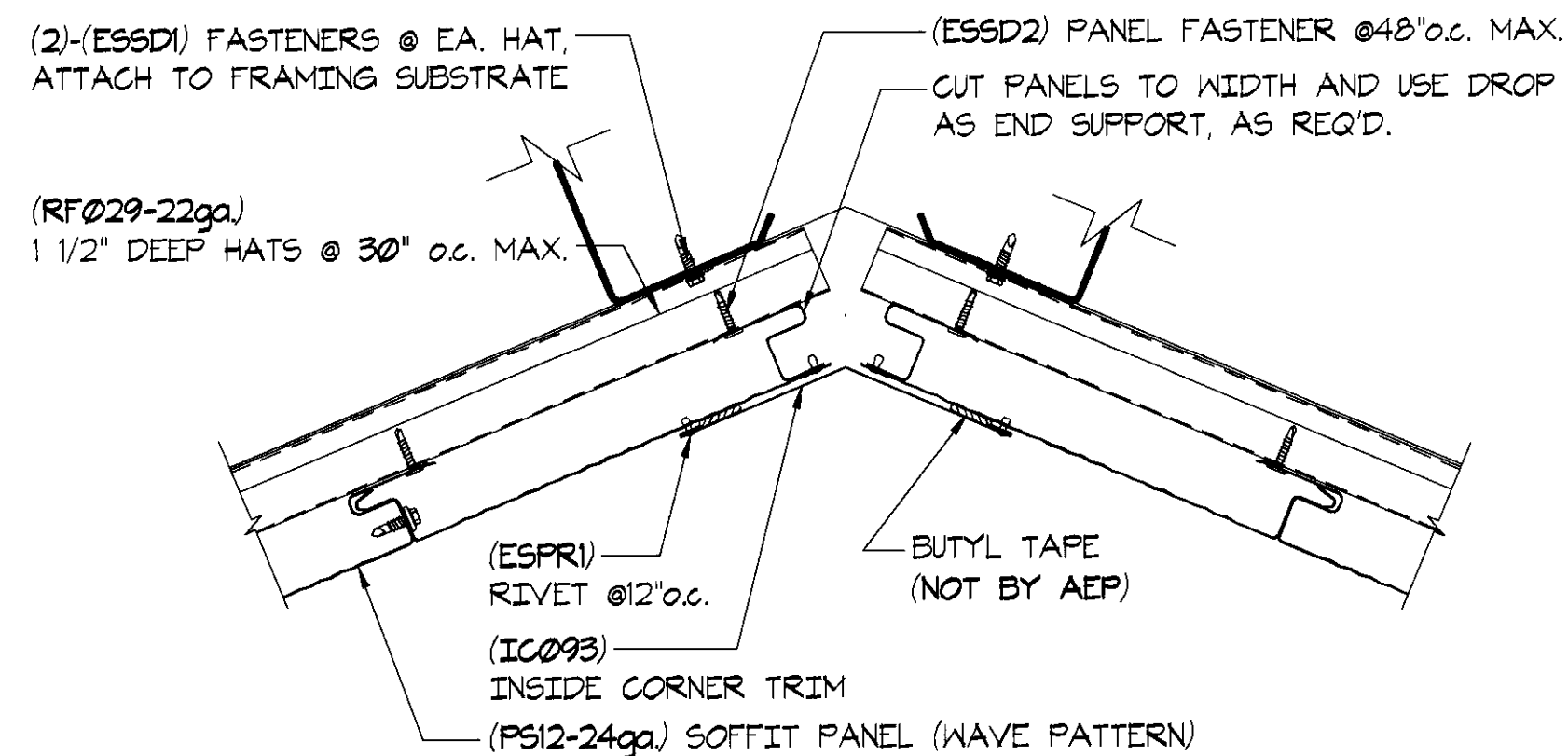


HALF VALLEY DETAIL

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601

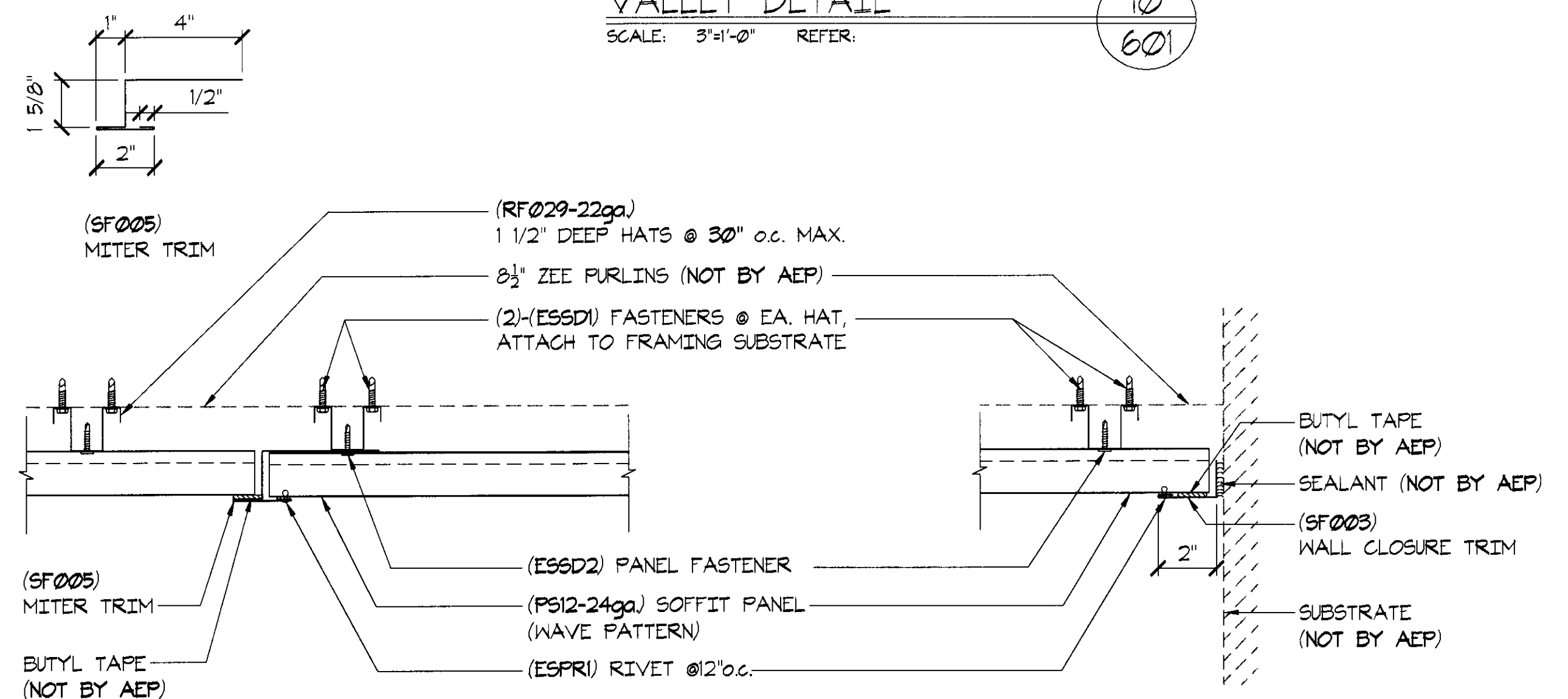


SOFFIT RIDGE DETAIL

SCALE: 3'-1'-0" REFER:

12

601



SOFFIT MITER DETAIL

SCALE: 3'-1'-0" REFER:

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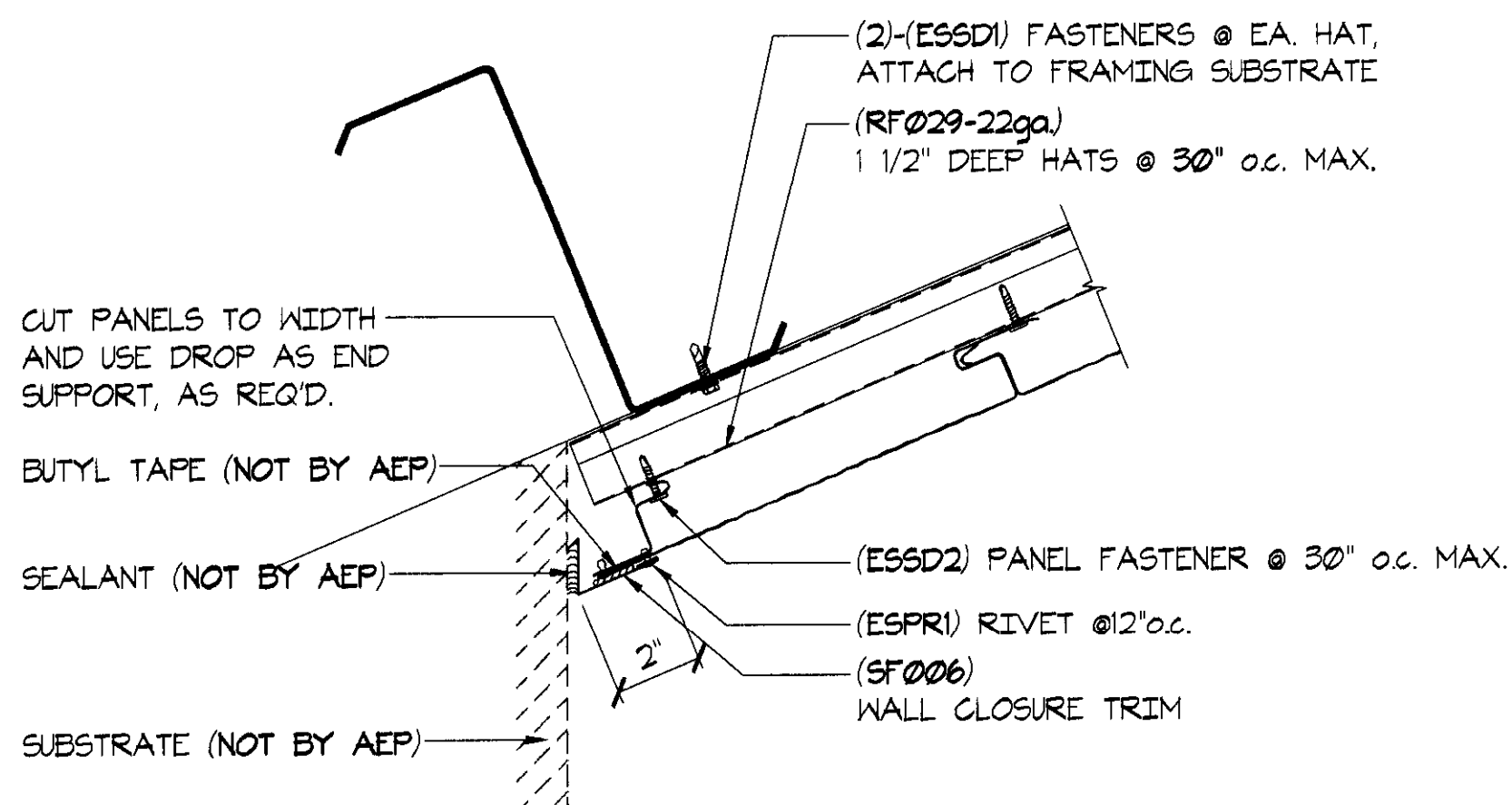
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SOFFIT SIDEWALL DETAIL

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601

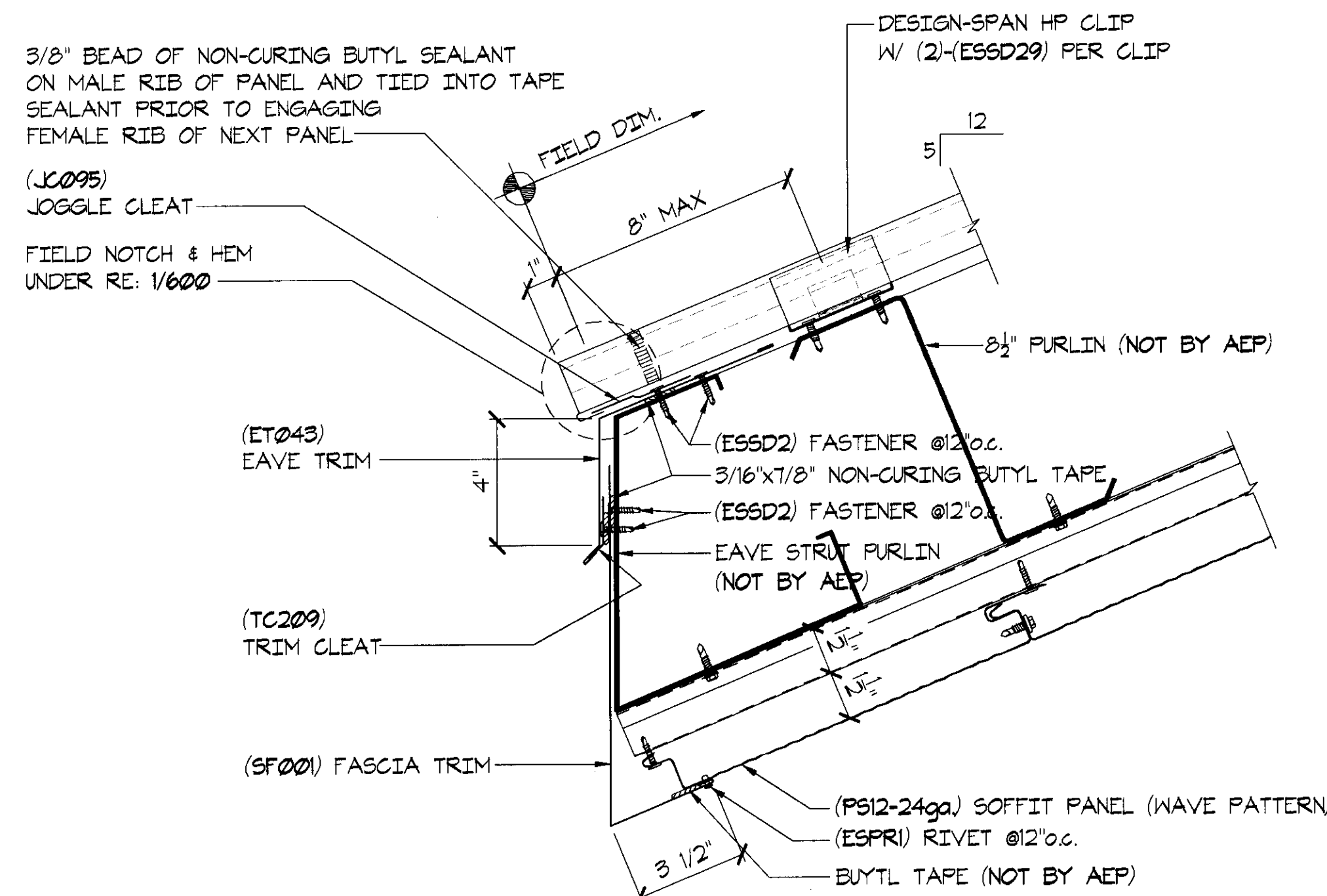


SOFFIT SIDEWALL DETAIL

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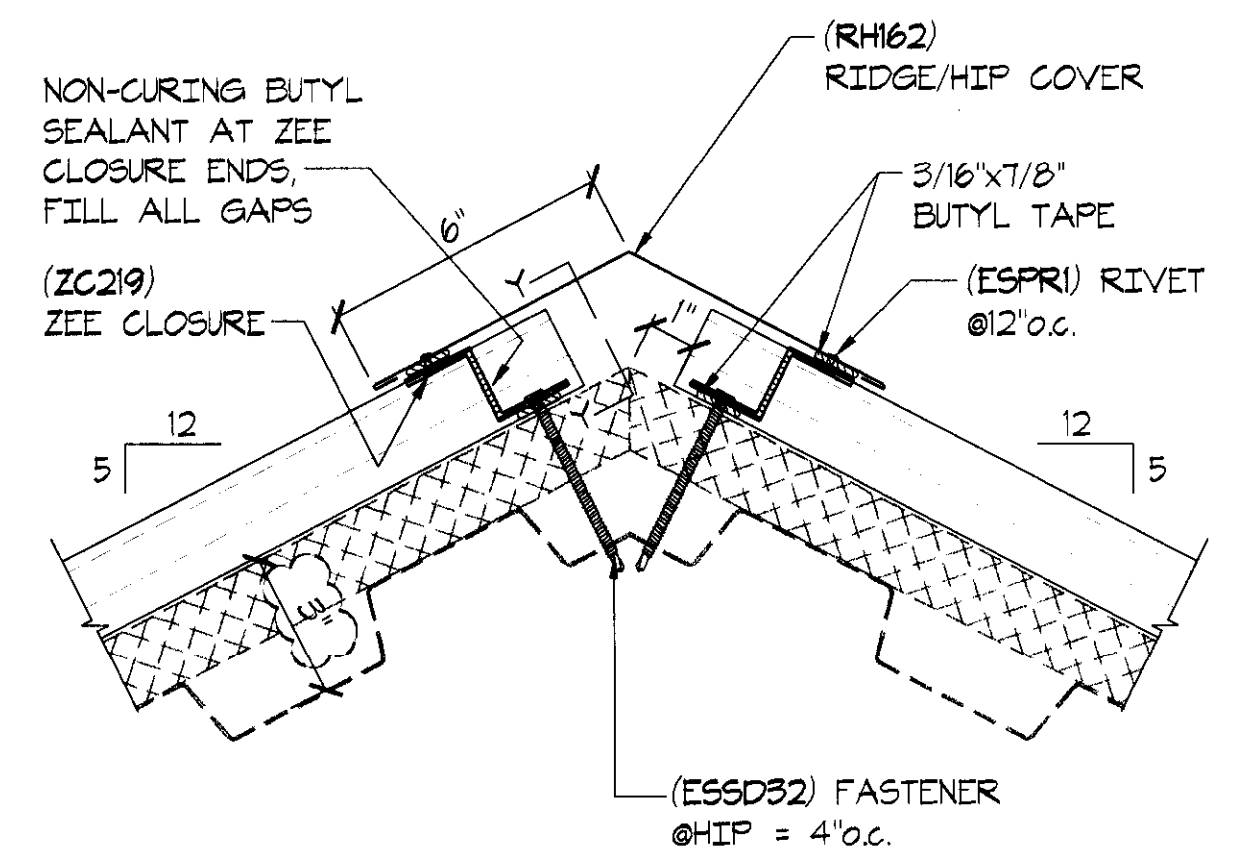


EAVE/SOFFIT DETAIL

SCALE: 3'-1'-0" REFER:

16

601



HIP DETAIL @ CUPOLA

SCALE: 3'-1'-0" REFER:

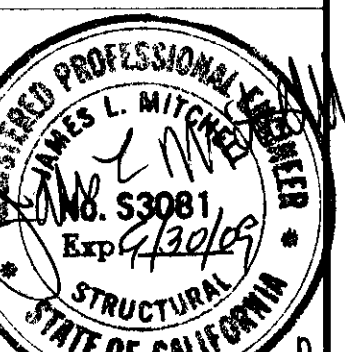
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601

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PERMISSION OF AEP-
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SECTIONS AND DETAILS
TITLE: SENIOR ADULT EDUCATION CENTER
PROJECT: CITY OF BRENTWOOD, CALIFORNIA
OWNER: KIMMEL CONSTRUCTION, INC.
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LOCATION:

ENGINEERING STAMP:



AEP SPAN
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DATE	BY	ADH	ADH
10/03/07			
03/10/08			

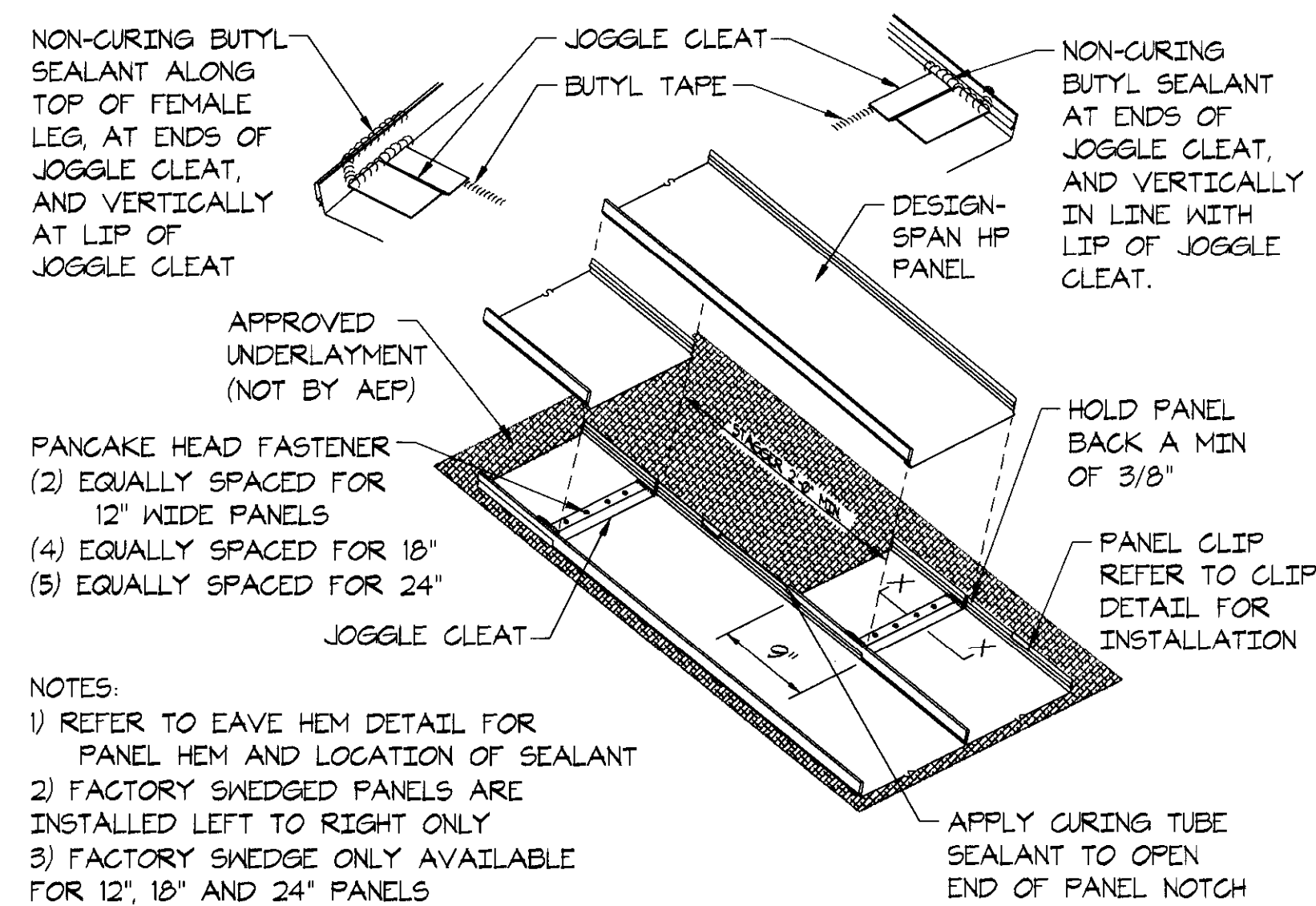
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REV	DESCRIPTION
A	ISSUED FOR APPROVAL
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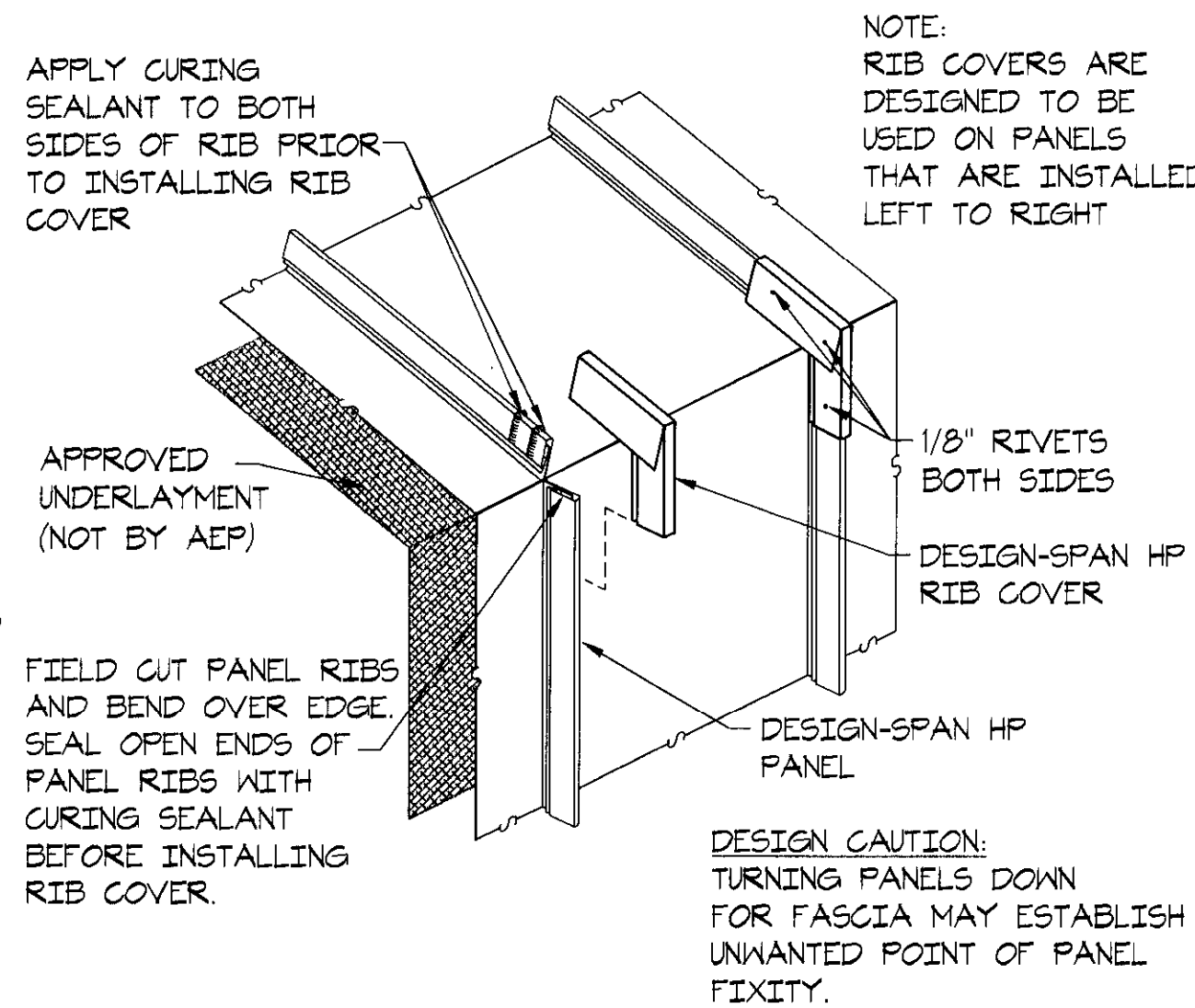
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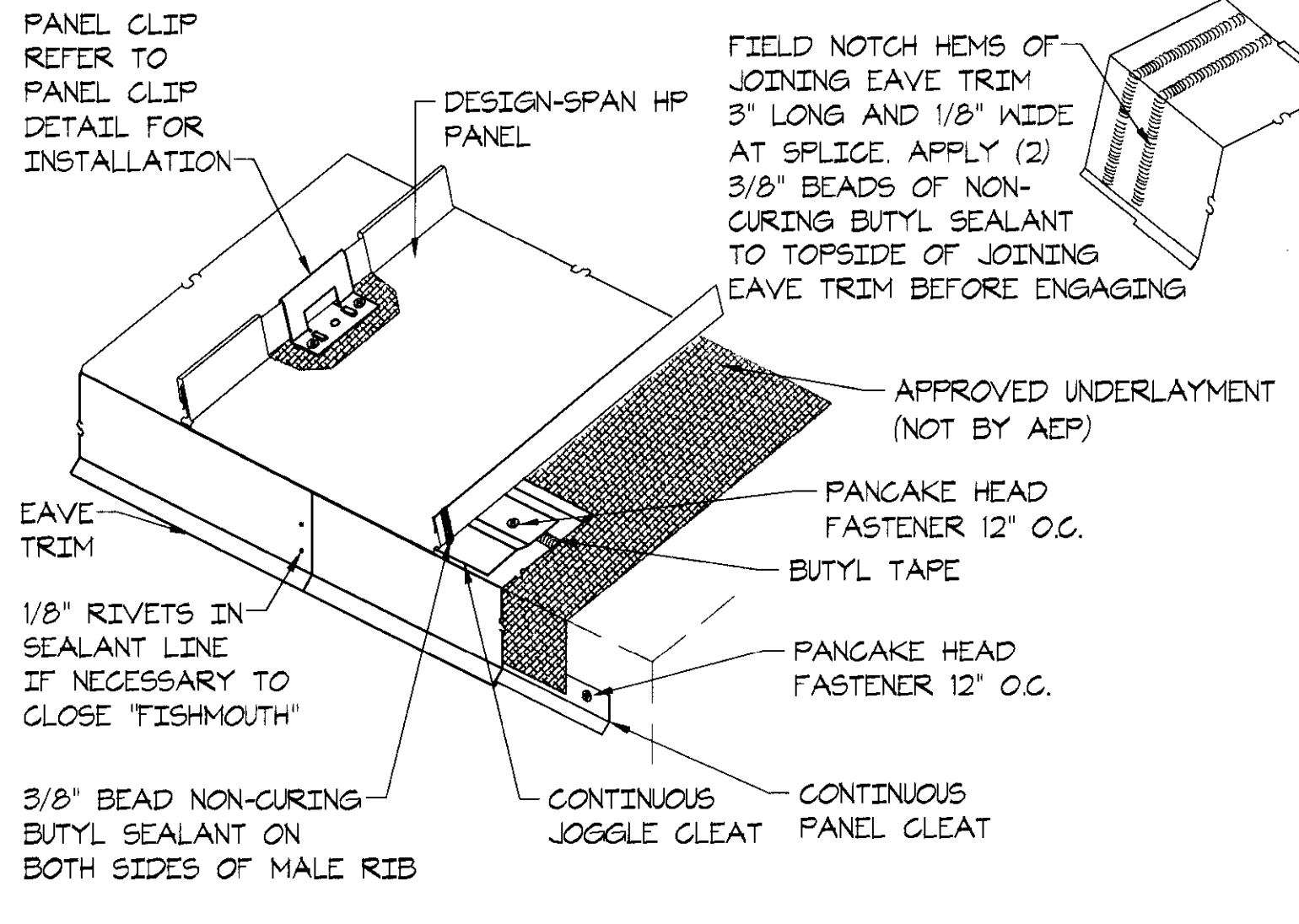
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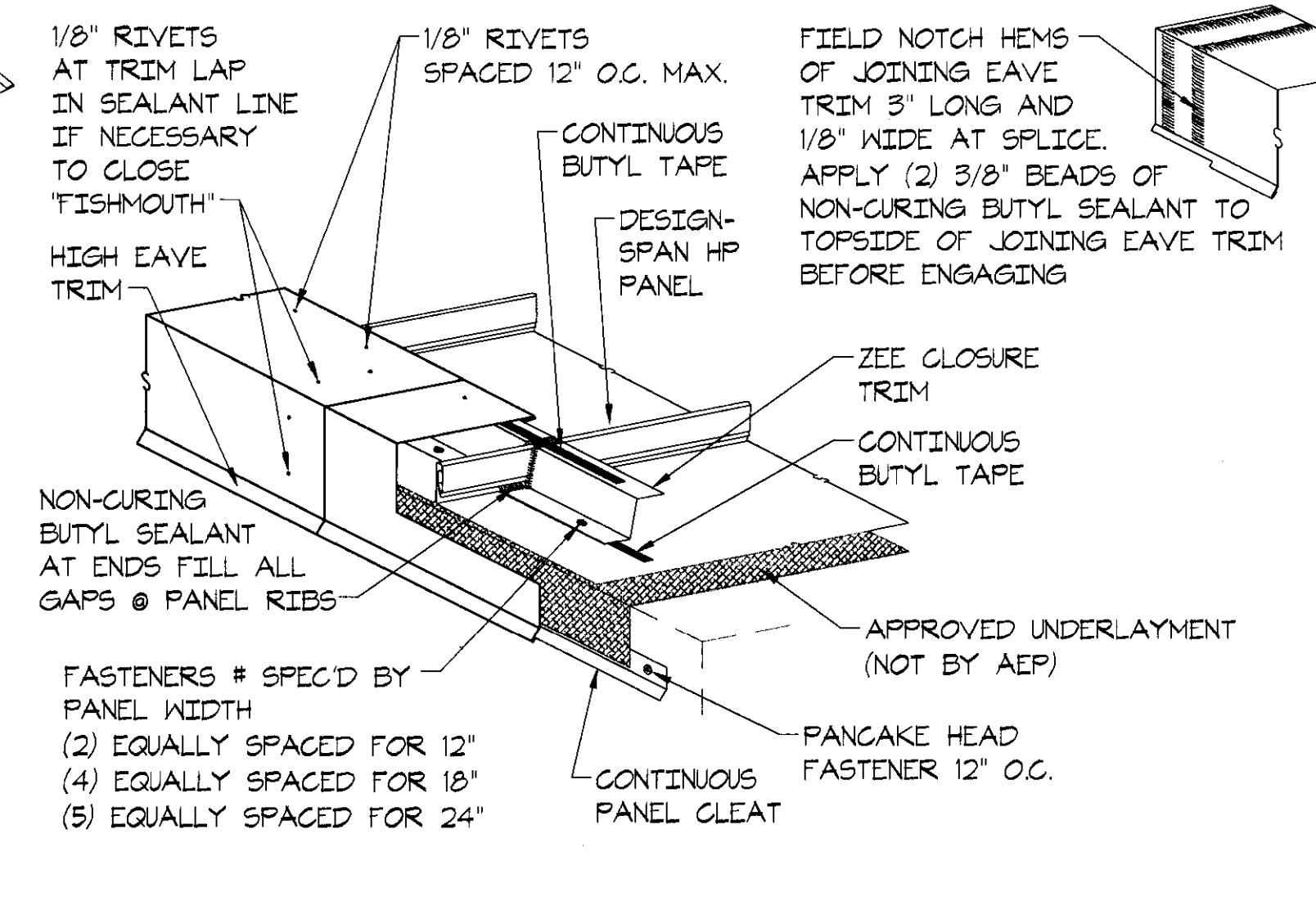
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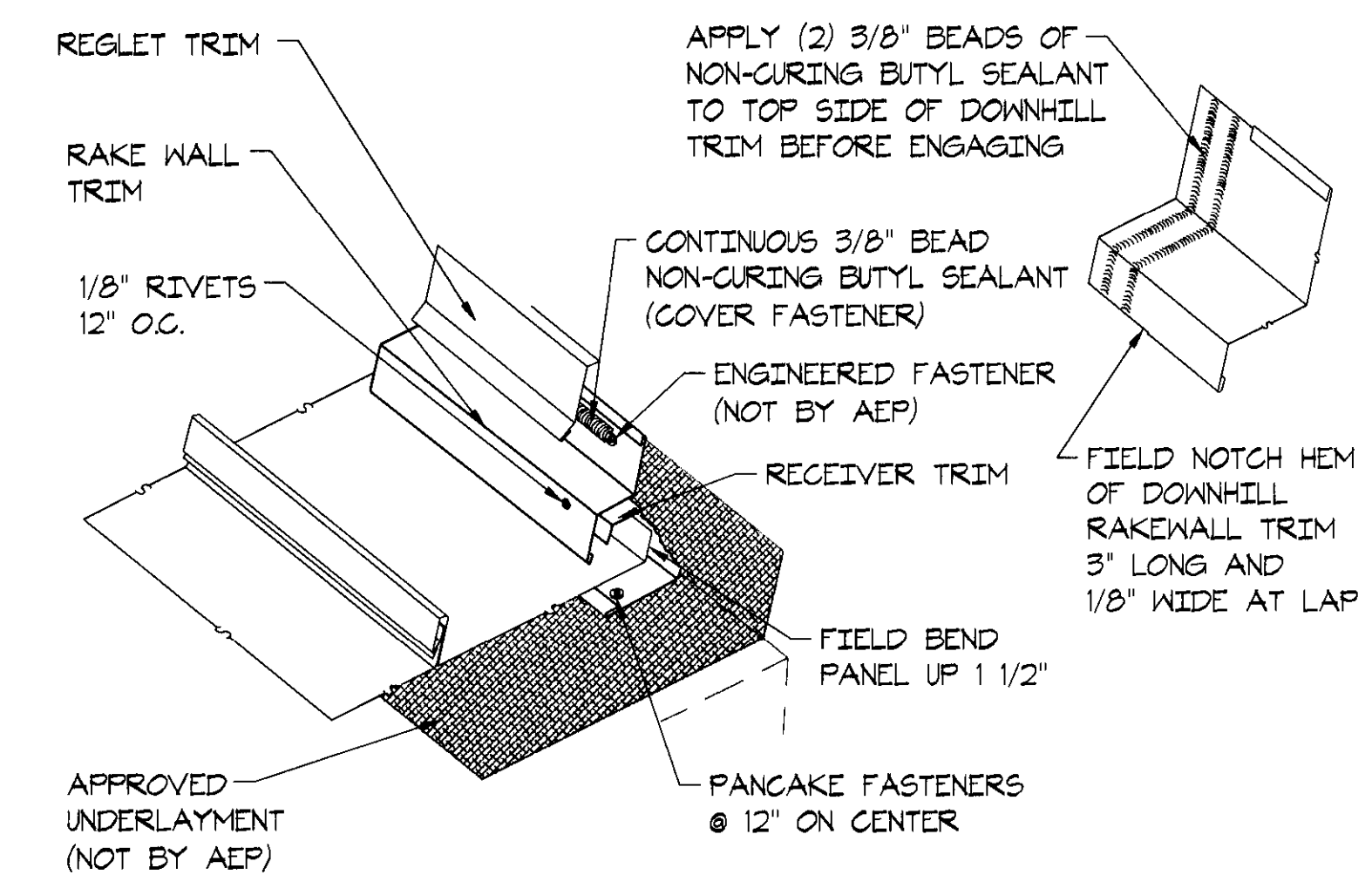
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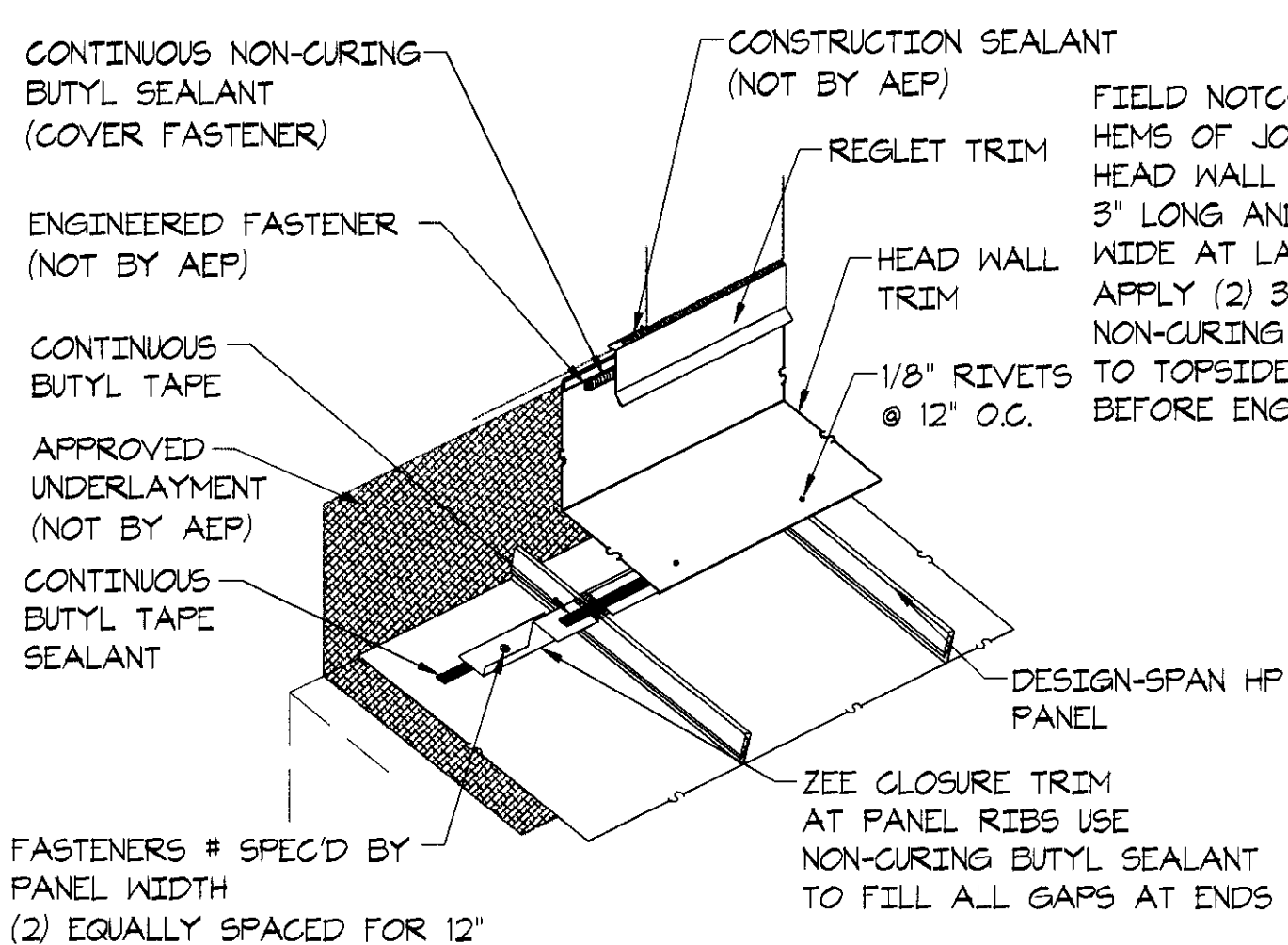
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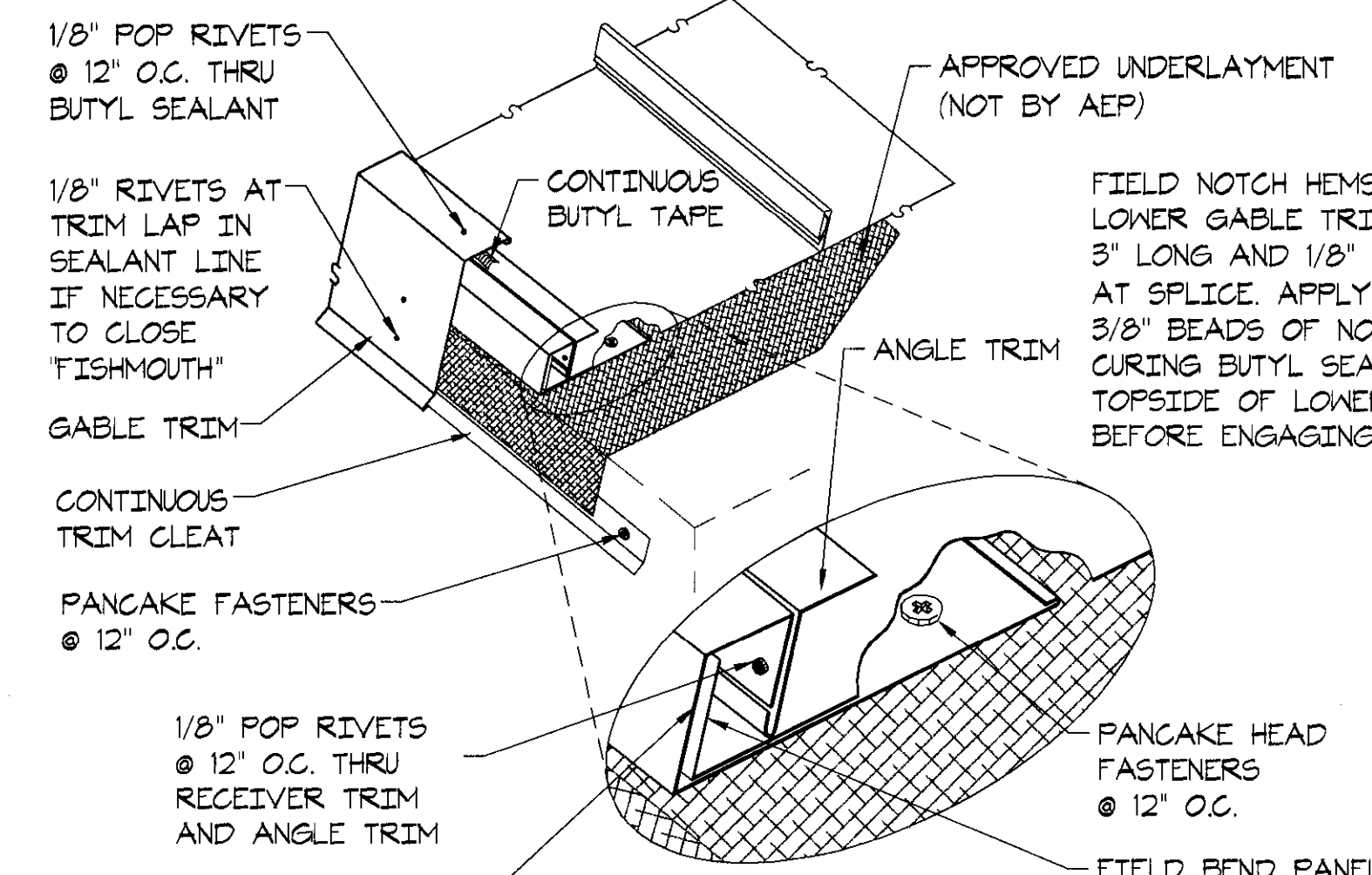
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SCALE: N.T.S.

E
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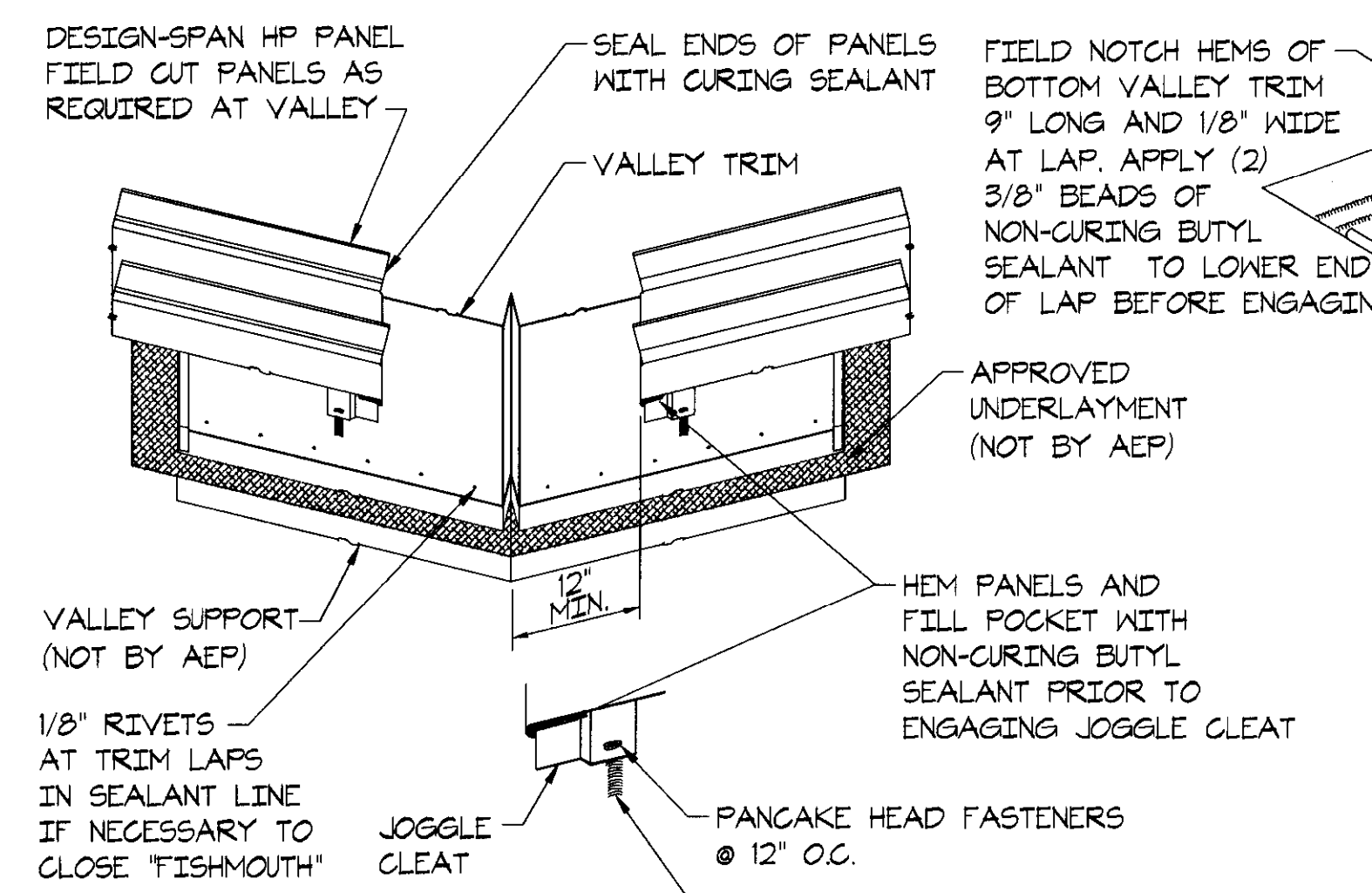
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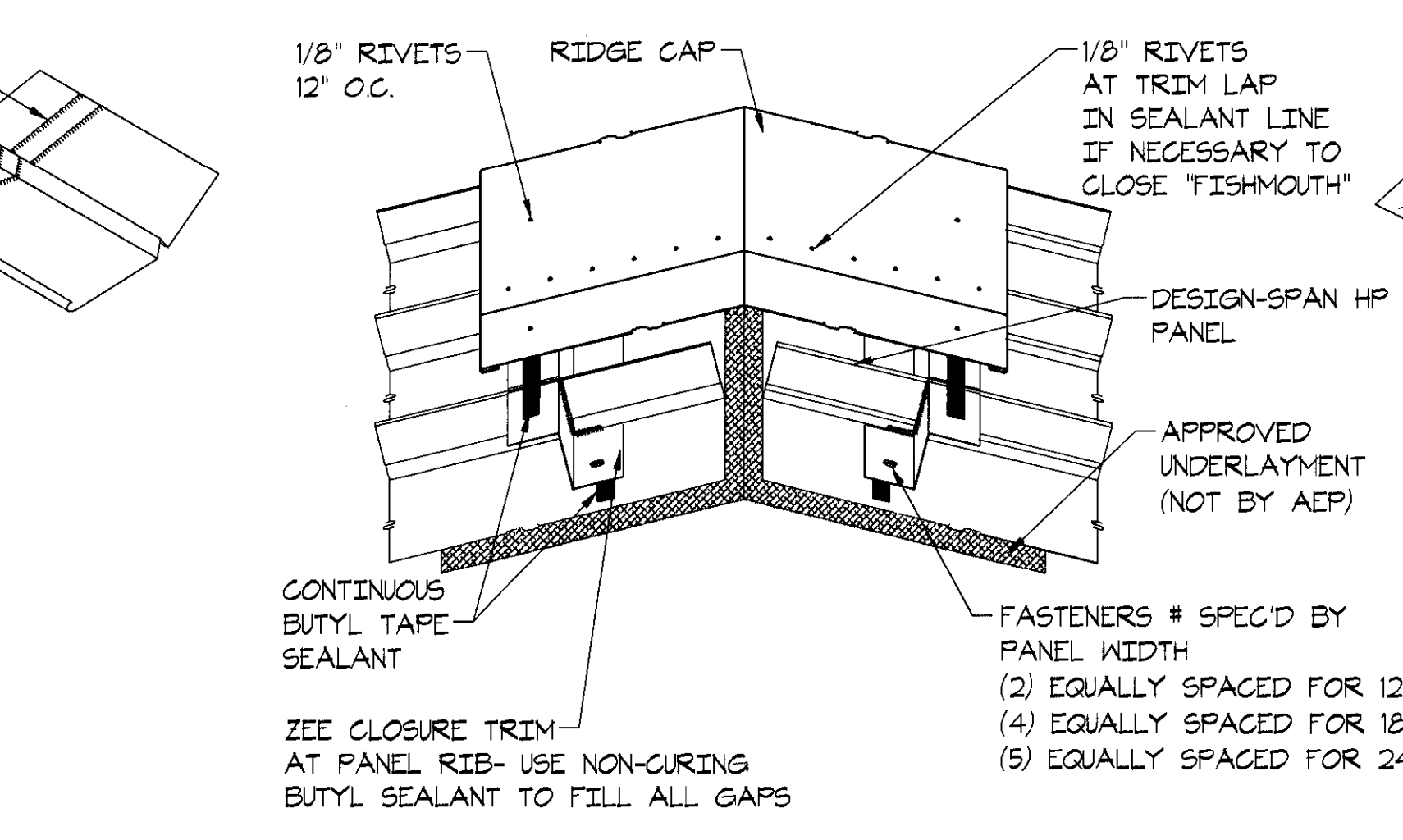
GABLE
SCALE: N.T.S.

G
701



VALLEY
SCALE: N.T.S.

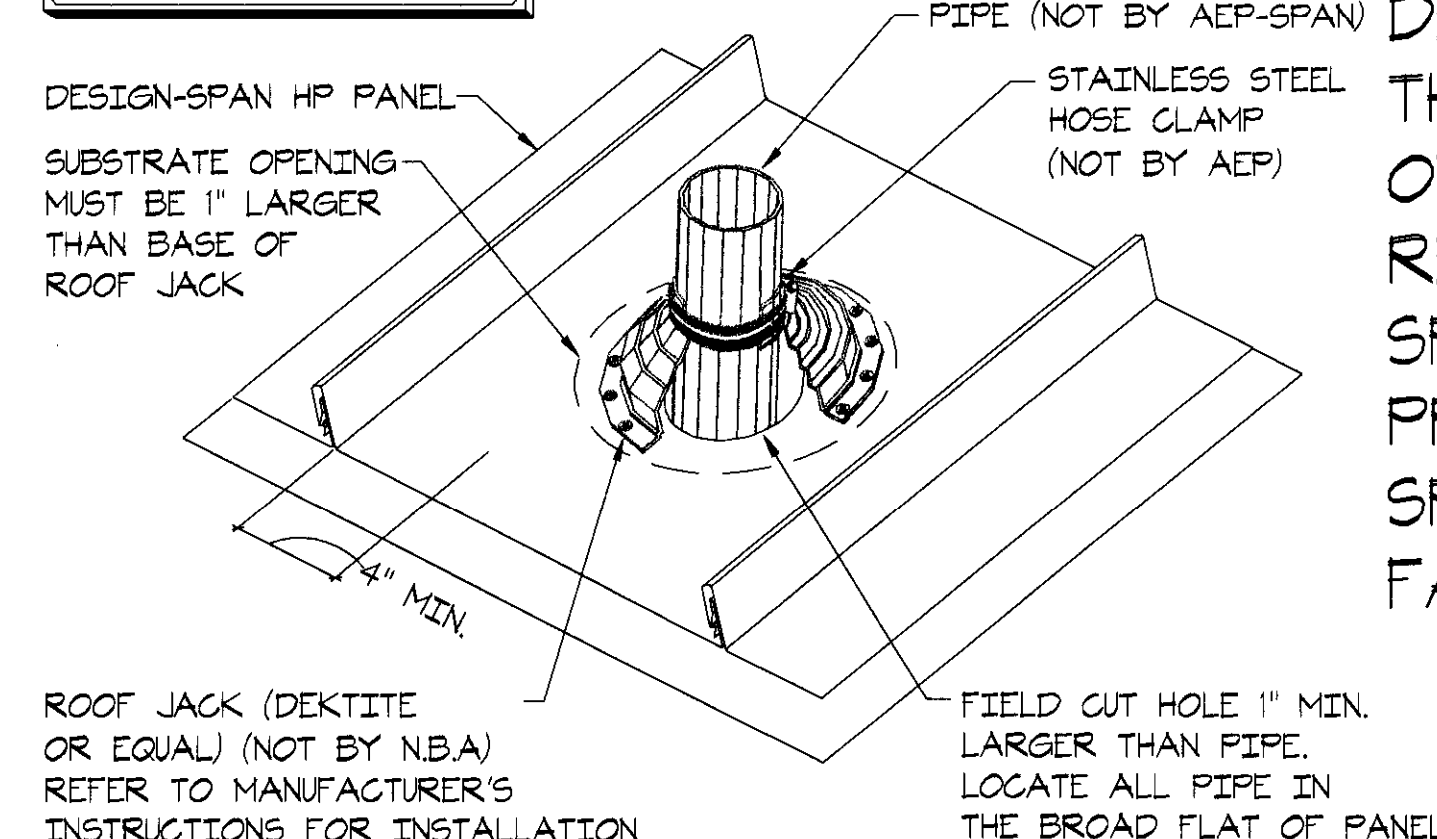
H
701



RIDGE/HIP
SCALE: N.T.S.

I
701

NOTES:
1) PENETRATIONS SHOULD BE CENTERED IN PANELS IF AT ALL POSSIBLE.



DEKTITE
SCALE: N.T.S.

J
701

NOTE:
NOT ALL CONSTRUCTION DETAILS SHOWN ON THIS SHEET ARE USED ON THIS PROJECT, REFER TO DETAIL SPECIFIC TO THIS PROJECT FOR SPECIFIED TRIMS, FASTENERS & SEALANTS

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DESIGN-SPAN HP TRIM ASSEMBLY DETAILS

TITLE: SENIOR ADULT EDUCATION CENTER

PROJECT: CITY OF BRENTWOOD, CALIFORNIA

OWNER: KIMMEL CONSTRUCTION, INC.

BUYER: BRENTWOOD, CALIFORNIA 94513

LOCATION:

ENGINEERING STAMP:

APPROVED

CITY OF BRENTWOOD

DATE: 10/03/07

BY: ADH

ADH

REVISION:

DESCRIPTION:

ISSUED FOR APPROVAL

RESUBMITTAL ISSUED FOR APPROVAL

REV: A

JOE: DAL302548A

DRAWN BY: ADH

ENG. BY: RTA

DATE: 10/08/07

SCALE: AS SHOWN

SHEET:

701

OF: 88

THIS DRAWING IS THE PROPERTY OF AEP. SPAN THE USE OF THIS DRAWING WITHOUT THE EXPRESS PERMISSION OF AEP-SPAN IS PROHIBITED.

TITLE: DEAD-VALLEY TERMINATION DETAILS
PROJECT: SENIOR ADULT EDUCATION CENTER
OWNER: CITY OF BRENTWOOD, CALIFORNIA
BUYER: KIMMEL CONSTRUCTION, INC.
LOCATION: BRENTWOOD, CALIFORNIA 94513

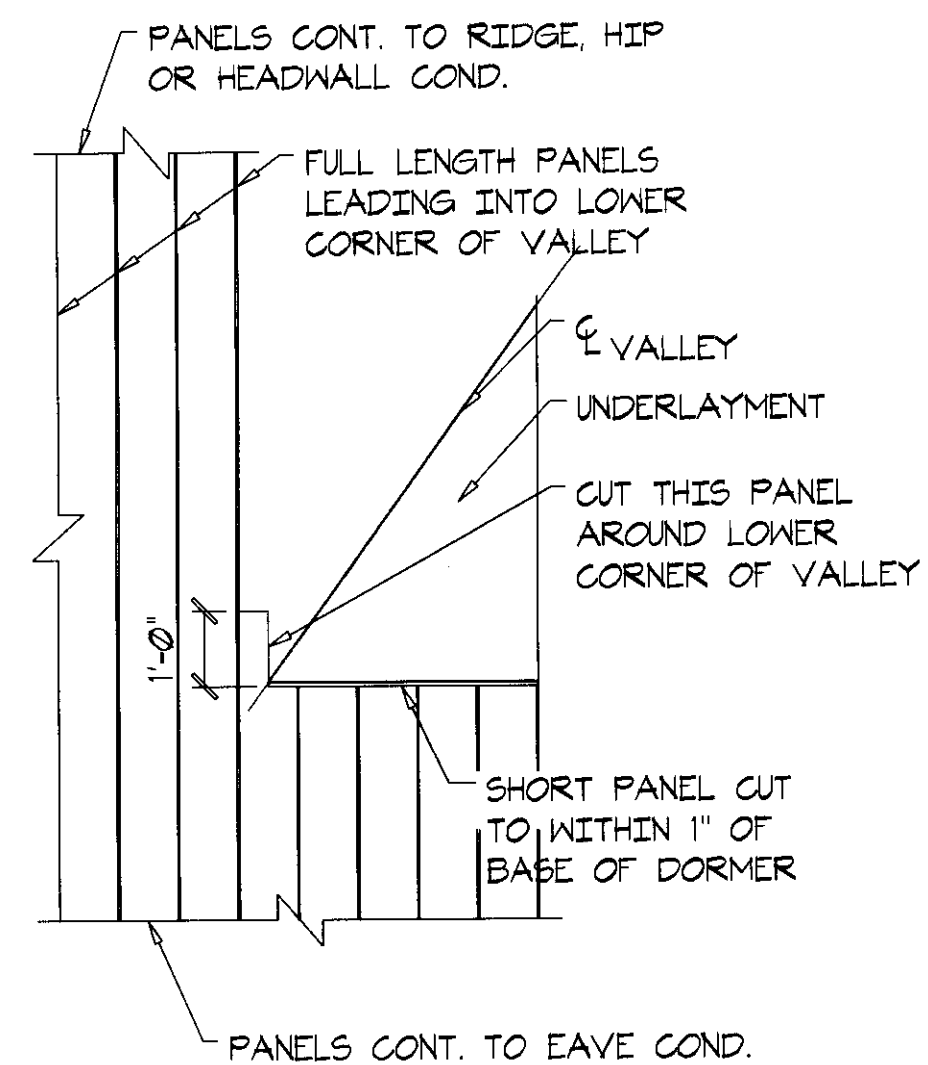
ENGINEERING STAMP:
REGISTERED PROFESSIONAL ENGINEER
JAMES L. MITCHELL
STRUCTURAL
STATE OF CALIFORNIA
Exp. 12/01/09

DATE: 10/03/07
BY: ADH
ADH

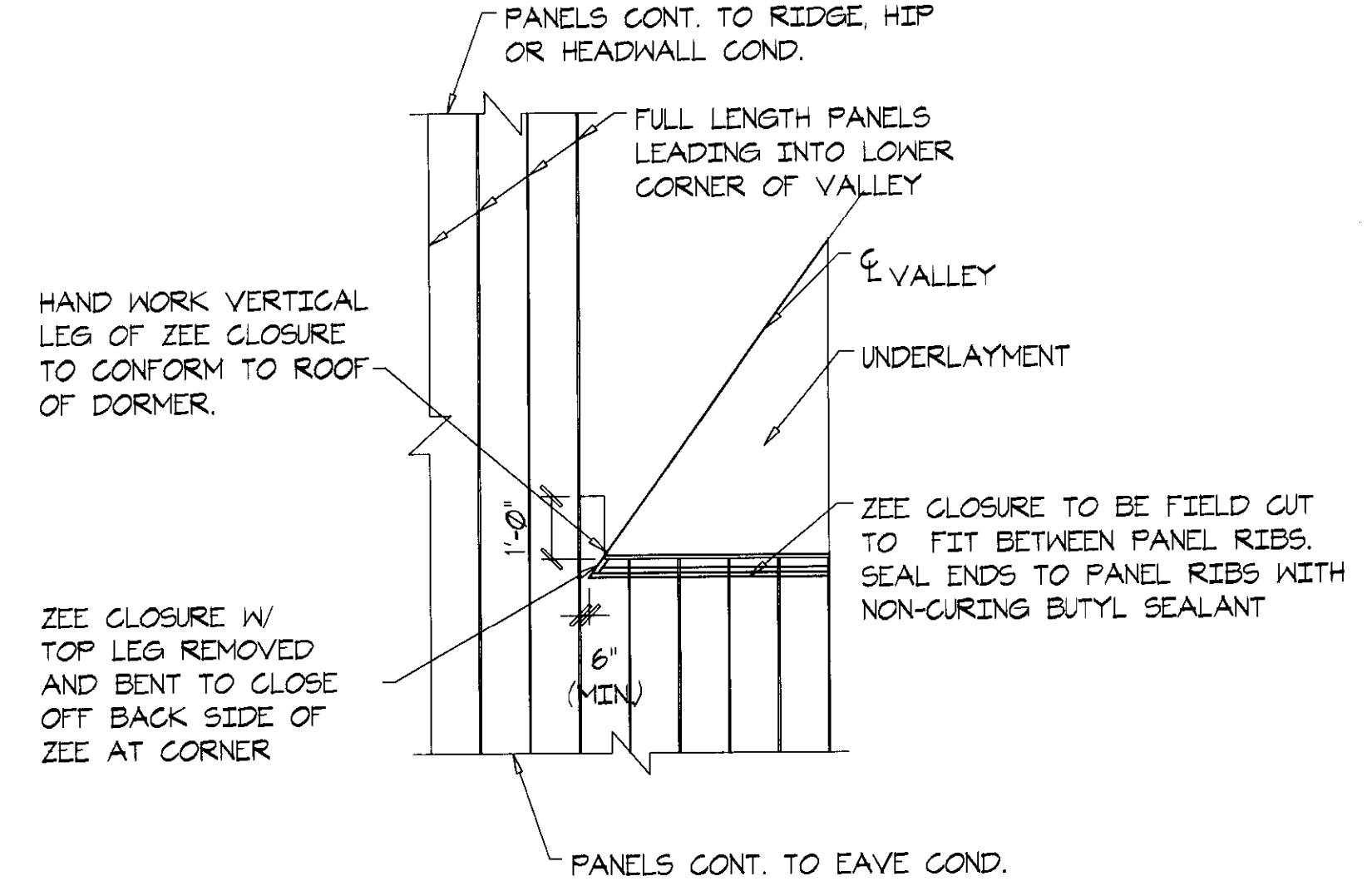
DESCRIPTION: ISSUED FOR APPROVAL
RESUBMITTAL ISSUED FOR APPROVAL

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JOB#: DAL302548A
DRAWN BY: ADH
ENG. BY: RTA
DATE: 10/08/07
SCALE: AS SHOWN
SHEET:

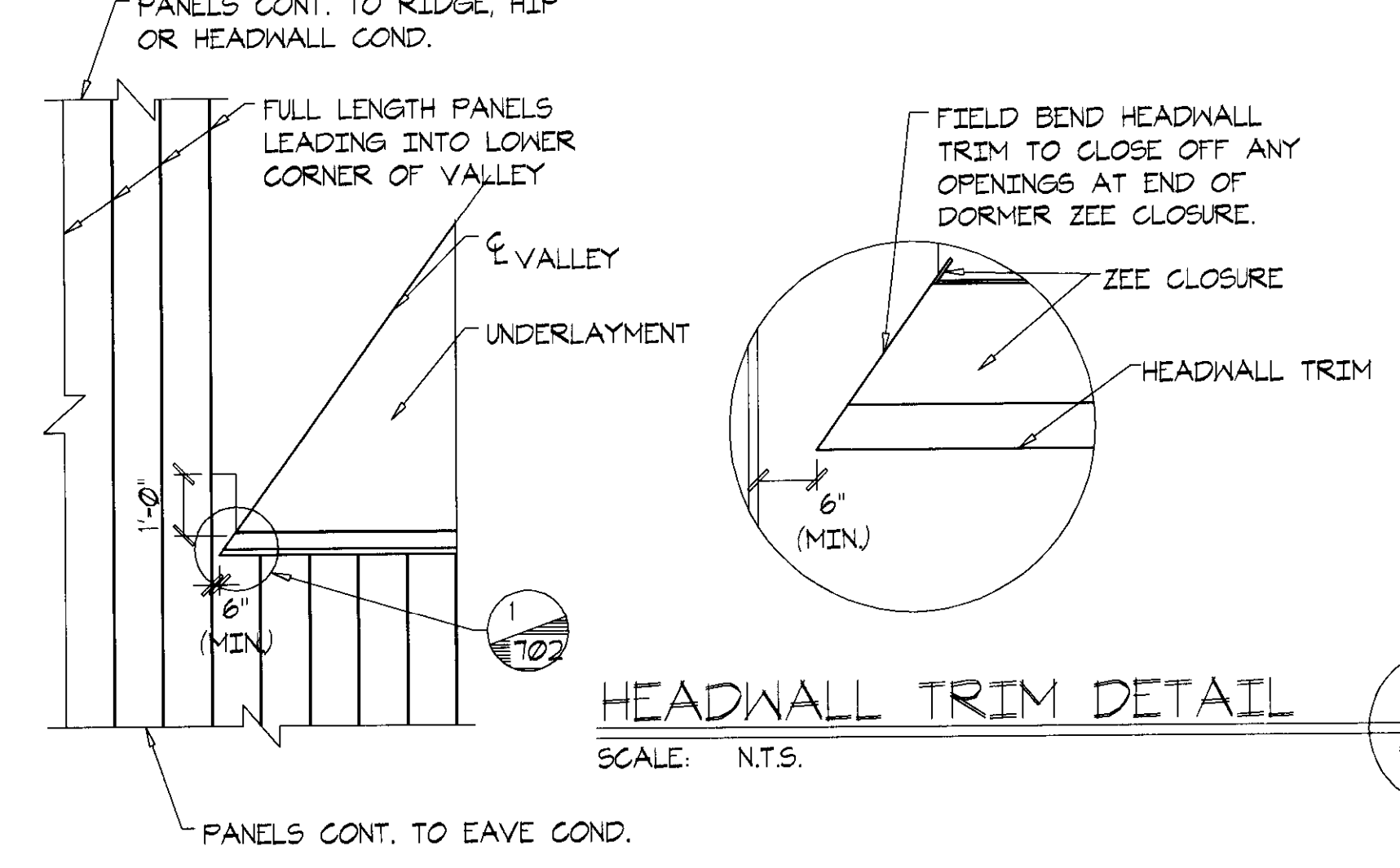
702
OF: 86



STEP #1

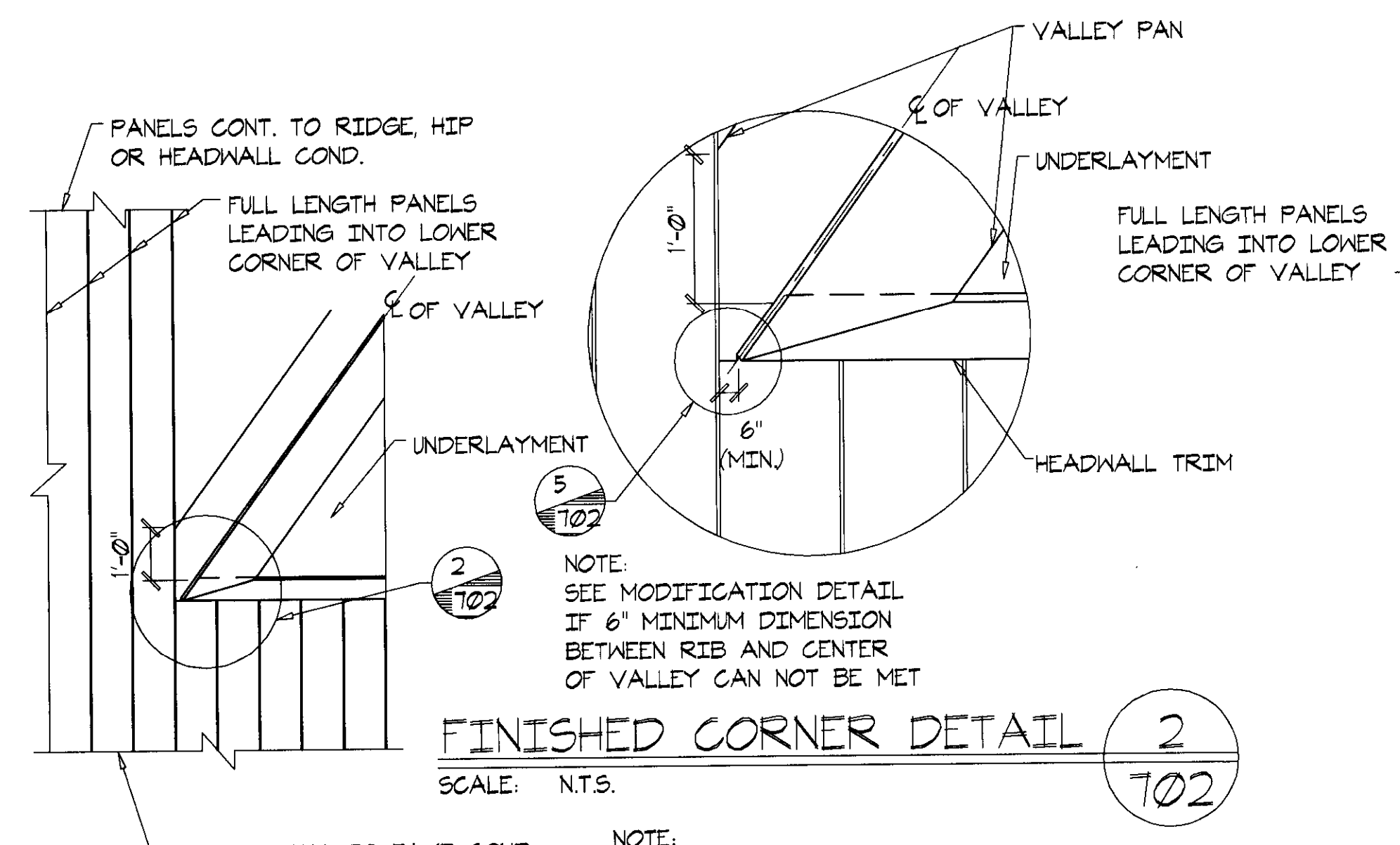


STEP #2



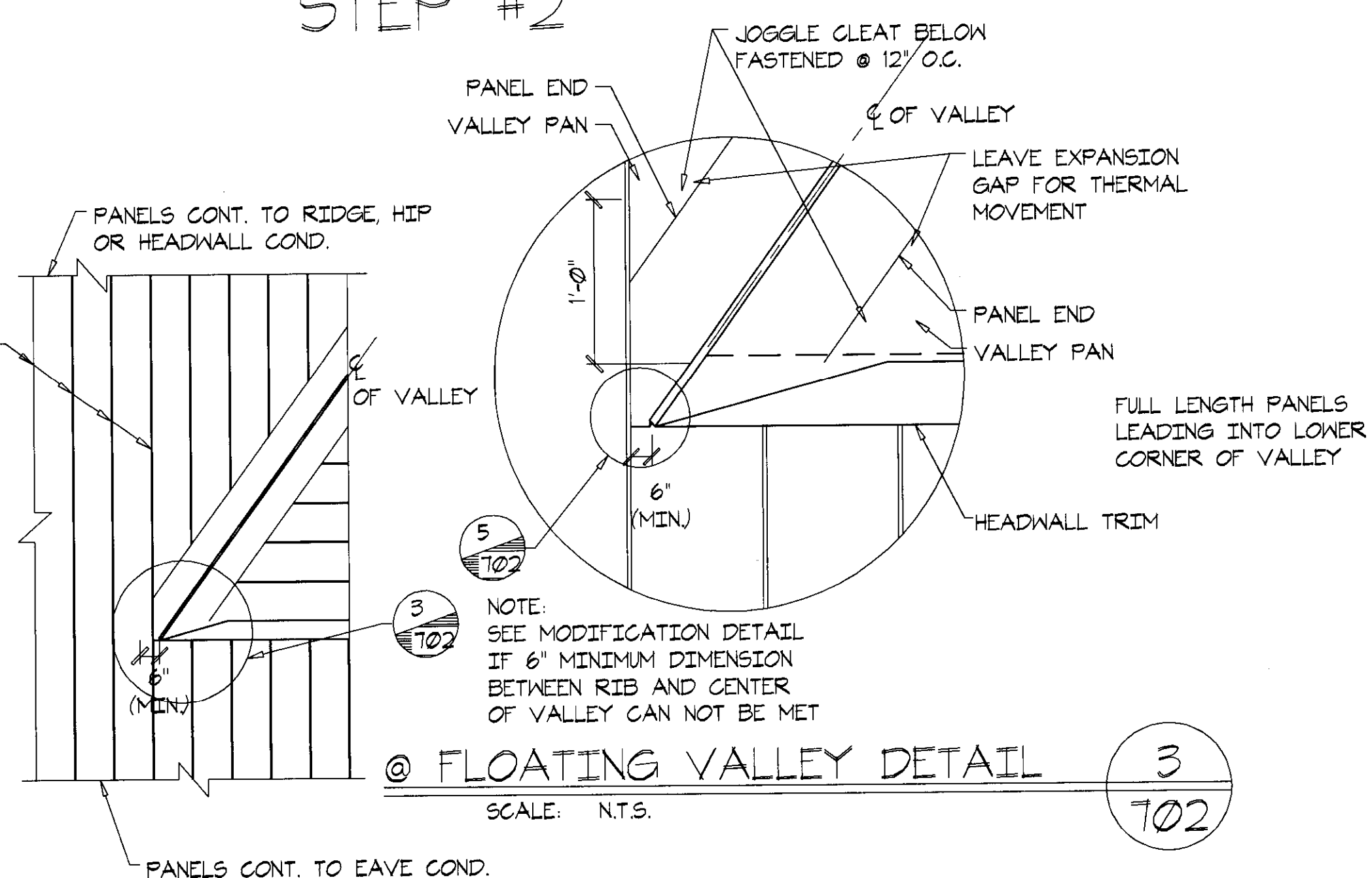
STEP #3

HEADWALL TRIM DETAIL 1
SCALE: N.T.S. 702



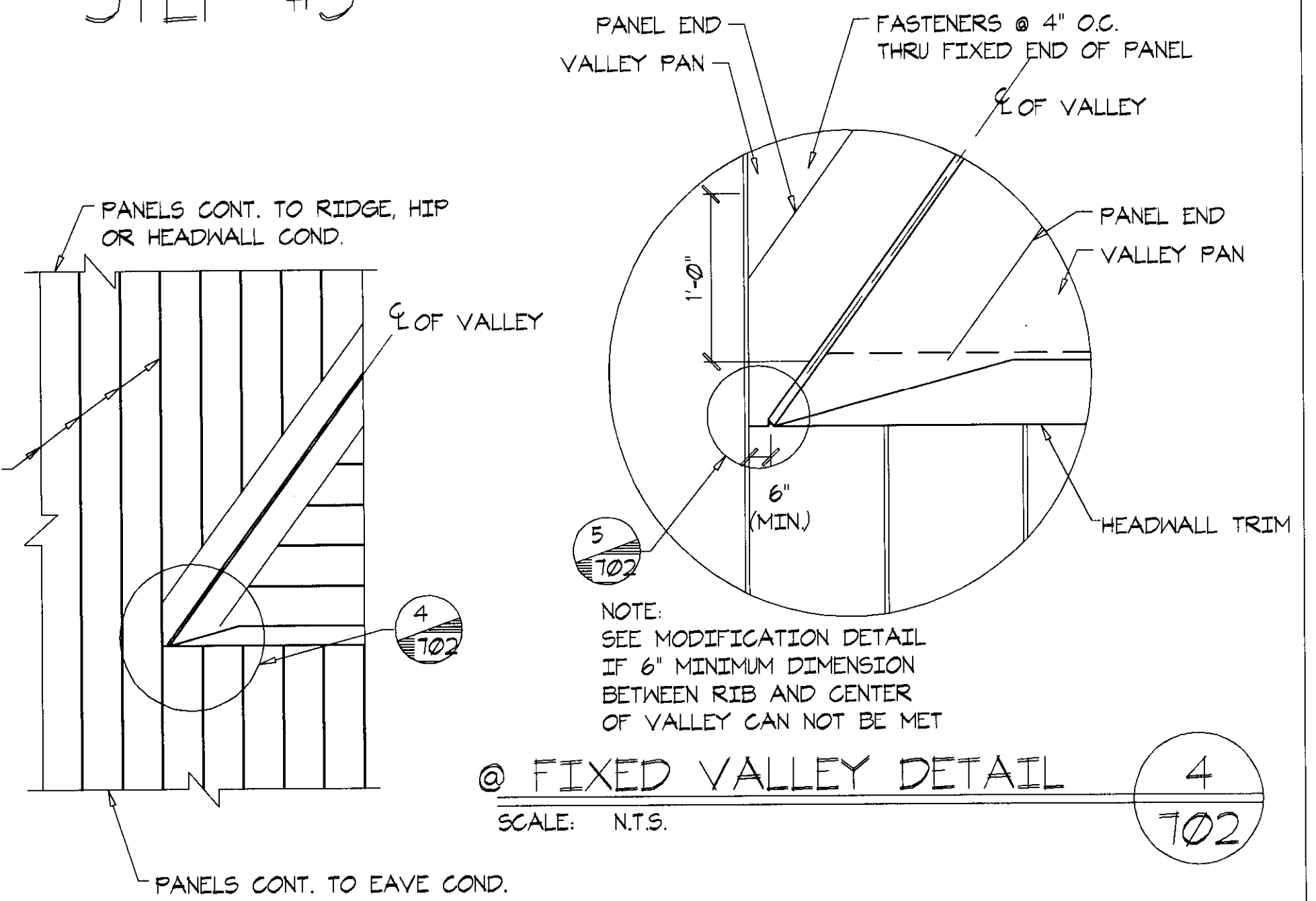
STEP #4

FINISHED CORNER DETAIL 2
SCALE: N.T.S. 702



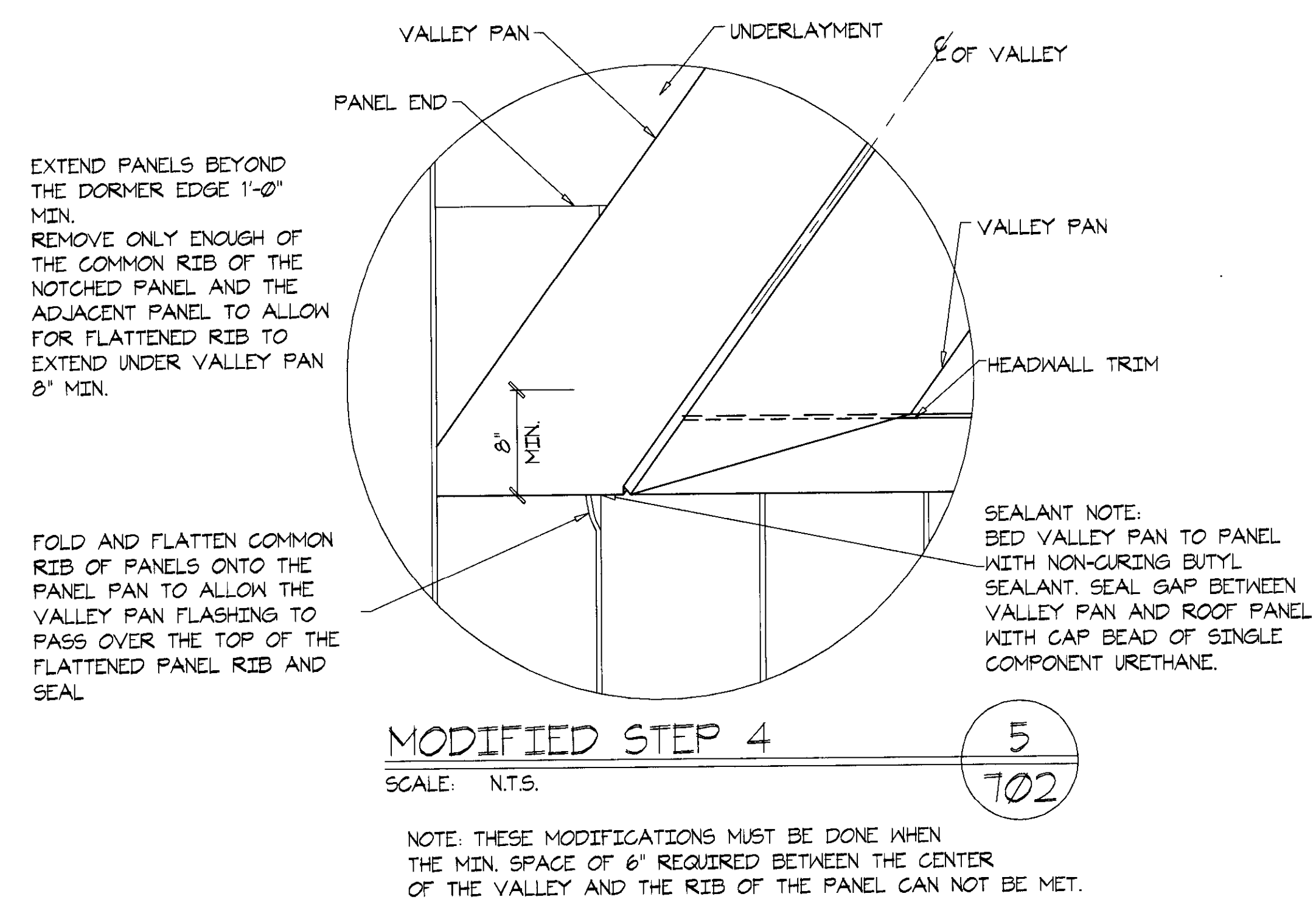
STEP #5

@ FLOATING VALLEY DETAIL 3
SCALE: N.T.S. 702



STEP #5

@ FIXED VALLEY DETAIL 4
SCALE: N.T.S. 702



MODIFIED STEP 4 5
SCALE: N.T.S. 702

NOTE: THESE MODIFICATIONS MUST BE DONE WHEN THE MIN. SPACE OF 6" REQUIRED BETWEEN THE CENTER OF THE VALLEY AND THE RIB OF THE PANEL CAN NOT BE MET.

NOTE: DETAILS SHOW ARE FOR USE AT DORMER. SIMILAR DETAILS SHOULD BE FOLLOWED WHEREVER A VALLEY TERMINATES ONTO THE ROOF ITSELF AND NOT AT THE EAVE LINE.

APPROVED
- 3 2008
CITY OF BRENTWOOD